

## TABLE OF CONTENTS

	<u>Page No.</u>
13. INTAKE RATES FOR VARIOUS HOME PRODUCED FOOD ITEMS .....	1
13.1. BACKGROUND .....	1
13.2. METHODS .....	2
13.3. RESULTS .....	7
13.4. ADVANTAGES AND LIMITATIONS .....	9
<b>13.5. RECOMMENDATIONS .....</b>	<b>10</b>
13.6. REFERENCES FOR CHAPTER 13 .....	10

## LIST OF TABLES

Table 13-1. 1986 Vegetable Gardening by Demographic Factors .....	13-1
Table 13-2. Percentage of Gardening Households	
Growing Different Vegetables in 1986 .....	13-1
Table 13-3. Sub-category Codes and Definitions .....	13-4
Table 13-4. Weighted and Unweighted Number of Observations (Individuals) for NFCS Data Used in Analysis of Food Intake .....	13-6
Table 13-5. Percent Weight Losses from Preparation of Various Meats .....	13-8
Table 13-6. Percent Weight Losses from Preparation of Various Fruits .....	13-8
Table 13-7. Percent Weight Losses from Preparation of Various Vegetables .....	13-9
Table 13-8. Consumer Only Intake of Homegrown Fruits (g/kg-day) - All Regions Combined .....	13-12
Table 13-9. Consumer Only Intake of Homegrown Fruits (g/kg-day) - Northeast .....	13-13
Table 13-10. Consumer Only Intake of Homegrown Fruits (g/kg-day) - Midwest .....	13-13

**Chapter 13 - Intake Rates for Various Home Produced Food Items****13. INTAKE RATES FOR VARIOUS HOME PRODUCED FOOD ITEMS****13.1. BACKGROUND**

Ingestion of contaminated foods is a potential pathway of exposure to toxic chemicals. Consumers of home produced food products may be of particular concern because exposure resulting from local site contamination may be higher for this subpopulation. According to a survey by the National Gardening Association (1987), a total of 34 million (or 38 percent) U.S. households participated in vegetable gardening in 1986. Table 13-1 contains demographic data on vegetable gardening in 1986 by region/section, community size, and household size.

Table 13-1. 1986 Vegetable Gardening by Demographic Factors		
Demographic Factor	Percentage of total households that have gardens (%)	Number of households (million)
Total	38	34
<u>Region/section</u>		
East	33	7.3
New England	37	1.9
Mid-Atlantic	32	5.4
Midwest	50	11.0
East Central	50	6.6
West Central	50	4.5
South	33	9.0
Deep South	44	3.1
Rest of South	29	5.9
West	37	6.2
Rocky Mountain	53	2.3
Pacific	32	4.2
<u>Size of community</u>		
City	26	6.2
Suburb	33	10.2
Small town	32	3.4
Rural	61	14.0
<u>Household size</u>		
Single, separated, divorced, widowed	54	8.5
Married, no children	45	11.9
Married, with children	44	13.2

Source: National Gardening Association, 1987.

Table 13-2 contains information on the types of vegetables grown by home gardeners in 1986. Tomatoes, peppers, onions, cucumbers, lettuce, beans, carrots, and corn are among the vegetables grown by the largest percentage of

gardeners. Home produced foods can become contaminated in a variety of ways. Ambient pollutants in the air may be deposited on plants, adsorbed onto or absorbed by the plants, or dissolved in rainfall or

Table 13-2. Percentage of Gardening Households Growing Different Vegetables in 1986	
Vegetable	Percent
Artichokes	0.8
Asparagus	8.2
Beans	43.4
Beets	20.6
Broccoli	19.6
Brussel sprouts	5.7
Cabbage	29.6
Carrots	34.9
Cauliflower	14.0
Celery	5.4
Chard	3.5
Corn	34.4
Cucumbers	49.9
Dried peas	2.5
Dry beans	8.9
Eggplant	13.0
Herbs	9.8
Kale	3.1
Kohlrabi	3.0
Leeks	1.2
Lettuce	41.7
Melons	21.9
Okra	13.6
Onions	50.3
Oriental vegetables	2.1
Parsnips	2.2
Peanuts	1.9
Peas	29.0
Peppers	57.7
Potatoes	25.5
Pumpkins	10.2
Radishes	30.7
Rhubarb	12.2
Spinach	10.2
Summer squash	25.7
Sunflowers	8.2
Sweet potatoes	5.7
Tomato	85.4
Turnips	10.7
Winter squash	11.1

Source: National Gardening Association, 1987.

irrigation waters that contact the plants. Pollutants may also be adsorbed onto plants roots from contaminated soil and water. Finally, the addition of pesticides, soil additives, and fertilizers to crops or gardens may result in contamination of food products. Meat and dairy products can become contaminated if animals consume contaminated soil, water, or feed crops. Intake rates for home produced food



## ***Chapter 13 - Intake Rates for Various Home Produced Food Items***

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products are needed to assess exposure to local contaminants present in homegrown or home caught foods. Recently, EPA analyzed data from the U.S. Department of Agriculture's (USDA) Nationwide Food Consumption Survey (NFCS) to generate distributions of intake rates for home produced foods. The methods used and the results of these analyses are presented below.

### **13.2. METHODS**

Nationwide Food Consumption Survey (NFCS) data were used to generate intake rates for home produced foods. USDA conducts the NFCS every 10 years to analyze the food consumption behavior and dietary status of Americans (USDA, 1992). The most recent NFCS was conducted in 1987-88. The survey used a statistical sampling technique designed to ensure that all seasons, geographic regions of the 48 conterminous states in the U.S., and socioeconomic and demographic groups were represented (USDA, 1994). There were two components of the NFCS. The household component collected information over a seven-day period on the socioeconomic and demographic characteristics of households, and the types, amount, value, and sources of foods consumed by the household (USDA, 1994). The individual intake component collected information on food intakes of individuals within each household over a three-day period (USDA, 1993). The sample size for the 1987-88 survey was approximately 4,300 households (over 10,000 individuals). This is a decrease over the previous survey conducted in 1977-78 which sampled approximately 15,000 households (over 36,000 individuals) (USDA, 1994). The sample size was lower in the 1987-88 survey as a result of budgetary constraints and low response rate (i.e., 38 percent for the household survey and 31 percent for the individual survey) (USDA, 1993). However, NFCS data from 1987-88 were used to generate homegrown intake rates because they were the most recent data available and were believed to be more reflective of current eating patterns among the U.S. population.

The USDA data were adjusted by applying the sample weights calculated by USDA to the data set prior to analysis. The USDA sample weights were designed to "adjust for survey non-response and other vagaries of the sample selection process" (USDA, 1987-88). Also, the USDA weights are calculated "so that the weighted sample total equals the known population total, in thousands, for several characteristics thought to be correlated with eating behavior" (USDA, 1987-88).

For the purposes of this study, home produced foods were defined as homegrown fruits and vegetables, meat and

dairy products derived from consumer-raised livestock or game meat, and home caught fish. The food items/groups selected for analysis included major food groups (i.e., total fruits, total vegetables, total meats, total dairy, total fish and shellfish), individual food items for which >30 households reported eating the home produced form of the item, fruits and vegetables categorized as exposed, protected, and roots, and various USDA fruit and vegetable subcategories (i.e., dark green vegetables, citrus fruits, etc.). Food items/groups were identified in the NFCS data base according to NFCS-defined food codes. Appendix 13A presents the codes used to determine the various food groups.

Although the individual intake component of the NFCS gives the best measure of the amount of each food item eaten by each individual in the household, it could not be used directly to measure consumption of home produced food because the individual component does not identify the source of the food item (i.e., as home produced or not). Therefore, an analytical method which incorporated data from both the household and individual survey components was developed to estimate individual home produced food intake. The USDA household data were used to determine (1) the amount of each home produced food item used during a week by household members and (2) the number of meals eaten in the household by each household member during a week. Note that the household survey reports the total amount of each food item used in the household (whether by guests or household members); the amount used by household members was derived by multiplying the total amount used in the household by the proportion of all meals served in the household (during the survey week) that were consumed by household members.

The individual survey data were used to generate average sex- and age-specific serving sizes for each food item. The age categories used in the analysis were as follows: 1 to 2 years; 3 to 5 years; 6 to 11 years; 12 to 19 years; 20 to 39 years; 40 to 69 years; and over 70 years (intake rates were not calculated for children under 1; the rationale for this is discussed below). These serving sizes were used during subsequent analyses to generate homegrown food intake rates for individual household members. Assuming that the proportion of the household quantity of each homegrown food item/group was a function of the number of meals and the mean sex- and age-specific serving size for each family member, individual intakes of home produced food were calculated for all members of the survey population using SAS programming in which the following general equation was used:



$$w_i = W_f \cdot \left[ \frac{m_i q_i}{\sum_{i=1}^n m_i q_i} \right] \quad (\text{Eqn. 13-1})$$

where:

- $w_i$  = Homegrown amount of food item/group attributed to member i during the week (g/week);
- $W_f$  = Total quantity of homegrown food item/group used by the family members (g/week);
- $m_i$  = Number of meals of household food consumed by member i during the week (meals/week); and
- $q_i$  = Serving size for an individual within the age and sex category of the member (g/meal).

Daily intake of a homegrown food item/group was determined by dividing the weekly value ( $w_i$ ) by seven. Intake rates were indexed to the self-reported body weight of the survey respondent and reported in units of g/kg-day. Intake rates were not calculated for children under one year of age because their diet differs markedly from that of other household members, and thus the assumption that all household members share all foods would be invalid for this age group. In Section 13.5, a method for estimating per capita homegrown intake in this age group is suggested.

For the major food groups (fruits, vegetables, meats, dairy, and fish) and individual foods consumed by at least 30 households, distributions of home produced intake among consumers were generated for the entire data set and according to the following subcategories: age groups, urbanization categories, seasons, racial classifications, regions, and responses to the questionnaire.

Consumers were defined as members of survey households who reported consumption of the food item/group of interest during the one week survey period. In addition, for the major food groups, distributions were generated for each region by season, urbanization, and responses to the questionnaire. Table 13-3 presents the codes, definitions, and a description of the data included in each of the subcategories. Intake rates were not calculated for food items/groups for which less than 30 households reported home produced usage because the number of observations may be inadequate for generating distributions that would be representative of that segment of consumers. Fruits and vegetables were also classified as exposed, protected, or roots, as shown in Appendix 13A of this document. Exposed foods are those that are grown above ground and are likely to be contaminated by pollutants deposited on surfaces that are eaten. Protected products are those that have outer protective coatings that are typically

removed before consumption. Distributions of intake were tabulated for these food classes for the same subcategories listed above. Distributions were also tabulated for the following USDA food classifications: dark green vegetables, deep yellow vegetables, other vegetables, citrus fruits, and other fruits. Finally, the percentages of total intake of the food items/groups consumed within survey households that can be attributed to home production were tabulated. The percentage of intake that was homegrown was calculated as the ratio of total intake of the homegrown food item/group by the survey population to the total intake of all forms of the food by the survey population.

As discussed in Section 13.3, percentiles of average daily intake derived from short time intervals (e.g., 7 days) will not, in general, be reflective of long term patterns. This is especially true regarding consumption of many homegrown products (e.g., fruits, vegetables), where there is often a strong seasonal component associated with their use. To try to derive, for the major food categories, the long term distribution of average daily intake rates from the short-term data available here, an approach was developed which attempted to account for seasonal variability in consumption. This approach used regional "seasonally adjusted distributions" to approximate regional long term distributions and then combined these regional adjusted distributions (in proportion to the weights for each region) to obtain a U.S. adjusted distribution which approximated the U.S. long term distribution.

The percentiles of the seasonally adjusted distribution for a given region were generated by averaging the corresponding percentiles of each of the four seasonal distributions of the region. More formally, the seasonally adjusted distribution for each region is such that its inverse cumulative distribution function is the average of the inverse cumulative distribution functions of each of the seasonal distributions of that region. The use of regional seasonally adjusted distributions to

***Chapter 13 - Intake Rates for Various Home Produced Food Items***

Table 13-3. Sub-category Codes and Definitions

Code	Definition	Description
Region <sup>a</sup>		
1	Northeast	Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont
2	Midwest	Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin
3	South	Includes Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia
4	West	Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming
Urbanization		
1	Central City	Cities with populations of 50,000 or more that is the main city within the metropolitan statistical area (MSA).
2	Suburban	An area that is generally within the boundaries of an MSA, but is not within the legal limit of the central city.
3	Nonmetropolitan	An area that is not within an MSA.
Race		
1	--	White (Caucasian)
2	--	Black
3	--	Asian and Pacific Islander
4	--	Native American, Aleuts, and Eskimos
5, 8, 9	Other/NA	Don't know, no answer, some other race
Responses to Survey Questions		
Grow	Question 75	Did anyone in the household grow any vegetables or fruit for use in the household?
Raise Animals	Question 76	Did anyone in the household produce any animal products such as milk, eggs, meat, or poultry for home use in your household?
Fish/Hunt	Question 77	Did anyone in the household catch any fish or shoot game for home use?
Farm	Question 79	Did anyone in the household operate a farm or ranch?
Season		
Spring	-	April, May, June
Summer	-	July, August, September
Fall	-	October, November, December
Winter	-	January, February, March

<sup>a</sup> Alaska and Hawaii were not included.

Source: USDA 1987-88.

approximate regional long term distributions is based on the assumption that each individual consumes at the same regional percentile levels for each season and consumes at a constant weekly rate throughout a given season. Thus, for instance, if the 60th percentile weekly intake level in the South is 14.0 g in the summer and 7.0 g in each of the three other seasons, then an individual in the South with an average weekly intake of 14.0 g over the summer would be assumed to have an intake of 14.0 g for each week of the

summer and an intake of 7.0 g for each week of the other seasons.

Note that the seasonally adjusted distributions derived above were generated using the overall distributions, i.e., both consumers and non-consumers. However, since all the other distributions presented in this section are based on consumers only, the percentiles for the adjusted distributions have been revised to reflect the percentiles among consumers only. Given the above assumption about

**Chapter 13 - Intake Rates for Various Home Produced Food Items**

how each individual consumes, the percentage consuming for the seasonally adjusted distributions give an estimate of the percentage of the population consuming the specified food category at any time during the year.

The intake data presented here for consumers of home produced foods and the total number of individuals surveyed may be used to calculate the mean and the percentiles of the distribution of home produced food consumption in the overall population (consumers and non-consumers) as follows:

Assuming that  $IR_p$  is the homegrown intake rate of food item/group at the  $p^{\text{th}}$  percentile and  $N_c$  is the weighted number of individuals consuming the homegrown food item, and  $N_T$  is the weighted total number of individuals surveyed, then  $N_T - N_c$  is the weighted number of individuals who reported zero consumption of the food item. In addition, there are  $(p/100 \times N_c)$  individuals below the  $p^{\text{th}}$  percentile. Therefore, the percentile that corresponds to a particular intake rate ( $IR_p$ ) for the overall distribution of homegrown food consumption (including consumers and nonconsumers) can be obtained by:

$$P_{\text{overall}}^{\text{th}} = 100 \times \frac{\left( \frac{p}{100} \times N_c + (N_T - N_c) \right)}{N_T} \quad (\text{Eqn. 13-2})$$

For example, the percentile of the overall population that is equivalent to the 50th percentile consumer only intake rate for homegrown fruits would be calculated as follows:

From Table 13-8, the 50th percentile homegrown fruit intake rate ( $IR_{50}$ ) is 1.07 g/kg-day. The weighted number of individuals consuming fruits ( $N_c$ ) is 14,744,000. From Table 13-4, the weighted total number of individuals surveyed ( $N_T$ ) is 188,019,000. The number of individuals consuming fruits below the 50th percentile is:

$$\begin{aligned} p/100 \times N_c &= (0.5) \times (14,744,000) \\ &= 7,372,000 \end{aligned}$$

The number of individuals that did not consume fruit during the survey period is:

$$\begin{aligned} N_T - N_c &= 188,019,000 - 14,744,000 \\ &= 173,275,000 \end{aligned}$$

The total number of individuals with homegrown intake rates at or below 1.07 g/kg-day is

$$\begin{aligned} (p/100 \times N_c) + (N_T - N_c) &= 7,372,000 + 173,275,000 \\ &= 180,647,000 \end{aligned}$$

The percentile of the overall population that is represented by this intake rate is:

$$\begin{aligned} p_{\text{overall}}^{\text{th}} &= 100 \times (180,647,000 / 188,109,000) \\ &= 96^{\text{th}} \text{ percentile} \end{aligned}$$

Therefore, an intake rate of 1.07 g/kg-day of homegrown fruit corresponds to the 96th percentile of the overall population.

Following the same procedure described above, 5.97 g/kg-day, which is the 90th percentile of the consumers only population, corresponds to the 99th percentile of the overall population. Likewise, 0.063 g/kg-day, which is the 1st percentile of the consumers only population, corresponds to the 92nd percentile of the overall population. Note that the consumers only distribution corresponds to the tail of the distribution for the overall population. Consumption rates below the 92nd percentile are very close to zero. The mean intake rate for the overall population can be calculated by multiplying the mean intake rate among consumers by the proportion of individuals consuming the homegrown food item,  $N_c/N_T$ .

Table 13-4 displays the weighted numbers  $N_T$ , as well as the unweighted total survey sample sizes, for each subcategory and overall. It should be noted that the total unweighted number of observations in Table 13-4 (9,852) is somewhat lower than the number of observations reported by USDA because this study only used observations for family members for which age and body weight were specified.



Table 13-4. Weighted and Unweighted Number of Observations (Individuals) for NFCS Data Used in Analysis of Food Intake										
	All Regions		Northeast		Midwest		South		West	
	wgtd	unwgtd	wgtd	unwgtd	wgtd	unwgtd	wgtd	unwgtd	wgtd	unwgtd
<b>Total</b>	188019000	9852	41167000	2018	46395000	2592	64331000	3399	36066000	1841
<b>Age (years)</b>										
< 01	2814000	156	545000	29	812000	44	889000	51	568000	32
01-02	5699000	321	1070000	56	1757000	101	1792000	105	1080000	59
03-05	8103000	461	1490000	92	2251000	133	2543000	140	1789000	95
06-11	16711000	937	3589000	185	4263000	263	5217000	284	3612000	204
12-19	20488000	1084	4445000	210	5490000	310	6720000	369	3833000	195
20-39	61606000	3058	12699000	600	15627000	823	21786000	1070	11494000	565
40-69	56718000	3039	13500000	670	13006000	740	19635000	1080	10577000	549
70 +	15880000	796	3829000	176	3189000	178	5749000	300	3113000	142
<b>Season</b>										
Fall	47667000	1577	9386000	277	14399000	496	13186000	439	10696000	365
Spring	46155000	3954	10538000	803	10657000	1026	16802000	1437	8158000	688
Summer	45485000	1423	9460000	275	10227000	338	17752000	562	7986000	246
Winter	48712000	2898	11783000	663	11112000	732	16591000	961	9226000	542
<b>Urbanization</b>										
Central City	56352000	2217	9668000	332	17397000	681	17245000	715	12042000	489
Nonmetropolitan	45023000	3001	5521000	369	14296000	1053	19100000	1197	6106000	382
Surburban	86584000	4632	25978000	1317	14702000	858	27986000	1487	17918000	970
<b>Race</b>										
Asian	2413000	114	333000	13	849000	37	654000	32	577000	32
Black	21746000	1116	3542000	132	2794000	126	13701000	772	1709000	86
Native American	1482000	91	38000	4	116000	6	162000	8	1166000	73
Other/NA	4787000	235	1084000	51	966000	37	1545000	86	1192000	61
White	157531000	8294	36170000	1818	41670000	2386	48269000	2501	31422000	1589
<b>Response to Questionnaire</b>										
Do you garden?	68152000	3744	12501000	667	22348000	1272	20518000	1136	12725000	667
Do you raise animals?	10097000	631	1178000	70	3742000	247	2603000	162	2574000	152
Do you hunt?	20216000	1148	3418000	194	6948000	411	6610000	366	3240000	177
Do you fish?	39733000	2194	5950000	321	12621000	725	13595000	756	7567000	392
Do you farm?	7329000	435	830000	42	2681000	173	2232000	130	1586000	90

**Chapter 13 - Intake Rates for Various Home Produced Food Items**

As mentioned above, the intake rates derived in this section are based on the amount of household food consumption. As measured by the NFCS, the amount of food "consumed" by the household is a measure of consumption in an economic sense, i.e., a measure of the weight of food brought into the household that has been consumed (used up) in some manner. In addition to food being consumed by persons, food may be used up by spoiling, by being discarded (e.g., inedible parts), through cooking processes, etc.

USDA estimated preparation losses for various foods (USDA, 1975). For meats, a net cooking loss, which includes dripping and volatile losses, and a net post cooking loss, which involves losses from cutting, bones, excess fat, scraps and juices, were derived for a variety of cuts and cooking methods. For each meat type (e.g., beef) EPA has averaged these losses across all cuts and cooking methods to obtain a mean net cooking loss and a mean net post cooking loss; these are displayed in Table 13-5. For individual fruits and vegetables, USDA (1975) also gave cooking and post-cooking losses. These data are presented in Tables 13-6 and 13-7.

The following formulas can be used to convert the intake rates tabulated here to rates reflecting actual consumption:

$$I_A = I \times (1 - L_1) \times (1 - L_2) \quad (\text{Eqn. 13-3})$$

$$I_A = I \times (1 - L_p) \quad (\text{Eqn. 13-4})$$

where  $I_A$  is the adjusted intake rate,  $I$  is the tabulated intake rate,  $L_1$  is the cooking loss,  $L_2$  is the post-cooking loss and  $L_p$  is the paring or preparation loss. For fruits, corrections based on postcooking losses only apply to fruits that are eaten in cooked forms. For raw forms of the fruits, paring or preparation loss data should be used to correct for losses from removal of skin, peel, core, caps, pits, stems, and defects, or draining of liquids from canned or frozen forms. To obtain preparation losses for food categories, the preparation losses of the individual foods making up the category can be averaged.

In calculating ingestion exposure, assessors should use consistent forms in combining intake rates with contaminant concentrations. This issue has been previously discussed in the other food Chapters.

**13.3. RESULTS**

The intake rate distributions (among consumers) for total home produced fruits, vegetables, meats, fish and dairy products are shown, respectively, in Tables 13-8 through 13-32 (displayed at the end of Chapter 13). Also shown in these tables is the proportion of respondents consuming the item during the (one-week) survey period. Homegrown vegetables were the most commonly consumed of the major food groups (18.3%), followed by fruit (7.8%), meat (4.9%), fish (2.1%), and dairy products (0.7%). The intake rates for the major food groups vary according to region, age, urbanization code, race, and response to survey questions. In general, intake rates of home produced foods are higher among populations in non-metropolitan and suburban areas and lowest in central city areas. Results of the regional analyses indicate that intake of homegrown fruits, vegetables, meat and dairy products is generally highest for individuals in the Midwest and South and lowest for those in the Northeast. Intake rates of home caught fish were generally highest among consumers in the South. Homegrown intake was generally higher among individuals who indicated that they operate a farm, grow their own vegetables, raise animals, and catch their own fish. The results of the seasonal analyses for all regions combined indicated that, in general, homegrown fruits and vegetables were eaten at a higher rate in summer, and home caught fish was consumed at a higher rate in spring; however, seasonal intake varied based on individual regions. Seasonally adjusted intake rate distributions for the major food groups are presented in Table 13-33.

Tables 13-34 through 13-60 present distributions of intake for individual home produced food items for households that reported consuming the homegrown form of the food during the survey period. Intake rate distributions among consumers for homegrown foods categorized as exposed fruits and vegetables, protected fruits and vegetables, and root vegetables are presented in Tables 13-61 through 13-65; the intake distributions for various USDA classifications (e.g., dark green vegetables) are presented in Tables 13-66 through 13-70. The results are presented in units of g/kg-day. Table 13-71 presents the fraction of household intake attributed to home produced forms of the food items/groups evaluated. Thus, use of these data in calculating potential dose does not require the body weight factor to be included in the denominator of the average daily dose (ADD) equation. It should be noted that converting these intake rates into units of g/day by multiplying by a single average body

**Chapter 13 - Intake Rates for Various Home Produced Food Items**

Table 13-5. Percent Weight Losses from Preparation of Various Meats

Meat Type	Mean Net Cooking Loss (%) <sup>a</sup>			Mean Net Post Cooking Loss (%) <sup>b</sup>		
	Mean	Range of Means	Standard Deviation	Mean	Range of Means	Standard Deviation
Beef	27	11 to 42	7	24	10 to 46	9
Pork	28	1 to 67	10	36	14 to 52	11
Chicken	32	7 to 55	9	31	16 to 51	8
Turkey	32	11 to 57	7	28	8 to 48	10
Lamb	30	25 to 37	5	34	14 to 61	14
Veal	29	10 to 45	11	25	18 to 37	9
Fish <sup>c</sup>	30	-19 to 81	19	11	1 to 26	6
Shellfish <sup>d</sup>	33	1 to 94	30	10	10 to 10	0

<sup>a</sup> Includes dripping and volatile losses during cooking. Averaged over various cuts and preparation methods.

<sup>b</sup> Includes losses from cutting, shrinkage, excess fat, bones, scraps, and juices. Averaged over various cuts and preparation methods.

<sup>c</sup> Averaged over a variety of fish, to include: bass, bluefish, butterfish, cod, flounder, haddock, halibut, lake trout, makerel, perch, porgy, red snapper, rockfish, salmon, sea trout, shad, smelt, sole, spot, squid, swordfish steak, trout, and whitefish.

<sup>d</sup> Averaged over a variety of shellfish, to include: clams, crab, crayfish, lobster, oysters, and shrimp and shrimp dishes.

Source: USDA, 1975.

Table 13-6. Percent Weight Losses from Preparation of Various Fruits

Type of Fruit	Mean Net Post Cooking Loss (%) <sup>a</sup>			Mean Paring or Preparation Loss (%) <sup>b,c</sup>		
	Mean	Range of Means	Standard Deviation	Mean	Range of Means	Standard
Apples	25	3 to 42	13	22 <sup>b</sup>	13 to 40 <sup>b</sup>	NA <sup>b</sup>
Pears	--	--	--	22 <sup>b</sup>	12 to 60 <sup>b</sup>	NA <sup>b</sup>
				41 <sup>c</sup>	25 to 47 <sup>c</sup>	NA <sup>c</sup>
Peaches	36	19 to 50	12	24 <sup>b</sup>	6 to 68 <sup>b</sup>	NA <sup>b</sup>
Strawberries	--	--	--	10 <sup>b</sup>	6 to 14 <sup>b</sup>	NA <sup>b</sup>
				30 <sup>c</sup>	96 to 41 <sup>c</sup>	15 <sup>c</sup>
Oranges	--	--	--	29 <sup>b</sup>	19 to 38 <sup>b</sup>	NA <sup>b</sup>

<sup>a</sup> Includes losses from draining cooked forms.

<sup>b</sup> Includes losses from removal of skin or peel, core or pit, stems or caps, seeds and defects.

<sup>c</sup> Includes losses from removal of drained liquids from canned or frozen forms.

Source: USDA, 1975



Table 13-7. Percent Weight Losses from Preparation of Various Vegetables

Type of Vegetable	Mean Net Cooking Loss (%) <sup>a</sup>			Mean Net Post Cooking Loss (%) <sup>b</sup>		
	Mean	Range of Means	Standard Deviation	Mean	Range of Means	Standard Deviation
Asparagus	23	5 to 47	16	--	--	--
Beets	28	4 to 60	17	--	--	--
Broccoli	14	0 to 39	13	--	--	--
Cabbage	11	4 to 20	6	--	--	--
Carrots	19	2 to 41	12	--	--	--
Corn	26	-1 to 64	22	--	--	--
Cucumbers	18	5 to 40	14	--	--	--
Lettuce	22	6 to 36	12	--	--	--
Lima Beans	-12	-143 to 56	69	--	--	--
Okra	12	-10 to 40	16	--	--	--
Onions	5	-90 to 63	38	--	--	--
Peas, green	2	-147 to 62	63	--	--	--
Peppers	13	3 to 27	9	--	--	--
Pumpkins	19	8 to 30	11	--	--	--
Snap Beans	18	5 to 42	13	--	--	--
Tomatoes	15	2 to 34	10	--	--	--
Potatoes	-22	-527 to 46	121	22	1 to 33	11

<sup>a</sup> Includes losses due to paring, trimming, flowering the stalk, thawing, draining, scraping, shelling, slicing, husking, chopping, and dicing and gains from the addition of water, fat, or other ingredients. Averaged over various preparation methods.

<sup>b</sup> Includes losses from draining or removal of skin.

Source: USDA, 1975

weight is inappropriate, because individual intake rates were indexed to the reported body weights of the survey respondents. However, if there is a need to compare the total intake data presented here to other intake data in units of g/day, a body weight less than 70 kg (i.e., approximately 60 kg; calculated based on the number of respondents in each age category and the average body weights for these age groups, as presented in Volume I, Chapter 7) should be used because the total survey population included children as well as adults.

#### 13.4. ADVANTAGES AND LIMITATIONS

The USDA NFCS data set is the largest publicly available source of information on food consumption habits in the United States. The advantages of using this data set are that it is expected to be representative of the U.S. population and that it provides information on a wide variety of food groups. However, the data collected by the USDA NFCS are based on short-term dietary recall and the intake distributions generated from them may not accurately reflect long-term intake patterns, particularly with respect to the tails (extremes) of the distributions. Also, the two

survey components (i.e., household and individual) do not define food items/groups in a consistent manner; as a result, some errors may be introduced into these analyses because the two survey components are linked. The results presented here may also be biased by assumptions that are inherent in the analytical method utilized. The analytical method may not capture all high-end consumers within households because average serving sizes are used in calculating the proportion of homegrown food consumed by each household member. Thus, for instance, in a two-person household where one member had high intake and one had low intake, the method used here would assume that both members had an equal and moderate level of intake. In addition, the analyses assume that all family members consume a portion of the home produced food used within the household. However, not all family members may consume each home produced food item and serving sizes allocated here may not be entirely representative of the portion of household foods consumed by each family member. As was mentioned in Section 13.2, no analyses were performed for the under 1 year age group due to the above concerns. Below, in Section 13.5, a



## ***Chapter 13 - Intake Rates for Various Home Produced Food Items***

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recommended approach for dealing with this age group is presented.

The preparation loss factors discussed in Section 13.2 are intended to convert intake rates based on "household consumption" to rates reflective of what individuals actually consume. However, these factors do not include losses to spoilage, feeding to pets, food thrown away, etc.

It should also be noted that because this analysis is based on the 1987-88 NFCS, it may not reflect recent changes in food consumption patterns. The low response rate associated with the 1987-88 NFCS also contributes to the uncertainty of the homegrown intake rates generated using these data.

### **13.5. RECOMMENDATIONS**

The distribution data presented in this study may be used to assess exposure to contaminants in foods grown, raised, or caught at a specific site. Table 13-72 presents the confidence ratings for homegrown food intake. The recommended values for mean intake rates among consumers for the various home produced foods can be taken from the tables presented here; these can be converted to per capita rates by multiplying by the fraction consuming. The data presented here for consumers of home produced foods represent average daily intake rates of food items/groups over the seven-day survey period and do not account for variations in eating habits during the rest of the year; thus the percentiles presented here (except the seasonally adjusted) are only valid when considering exposures over time periods of about one week. Similarly, the figures for percentage consuming are also only valid over a one week time period. Since the tabulated percentiles reflect the distribution among consumers only, Eqn. 13-2 must be used to convert the percentiles shown here to ones valid for the general population.

In contrast, the seasonally adjusted percentiles are designed to give percentiles of the long term distribution of average daily intake and the percentage consuming shown with this distribution is designed to estimate the percent of the population consuming at any time during a year. However, because the assumptions mentioned in Section 13.2 can not be verified to hold, these upper percentiles must be assigned a low confidence rating. Eqn. 13-2 may also be used with this distribution to convert percentiles among consumers to percentiles for the general population.

For all the rates tabulated here, preparation loss factors should be applied, where appropriate. The form of

the food used to estimate intake should be consistent with the form used to measure contaminant concentration.

As described above, the tables do not display rates for children under 1 year of age. For this age group, it is recommended that per-capita homegrown consumption rates be estimated using the following approach. First, for each specific home produced food of interest, the ratio of per capita intake for children under 1 year compared to that of children 1 to 2 years is calculated using the USDA CSFII 1989-1991 results displayed in Volume II, Chapters 9 and 11. Note these results are based on individual food intakes; however, they consider all sources of food, not just home produced. Second, the per-capita intake rate in the 1 to 2 year age group of the home produced food of interest is calculated as described above by multiplying the fraction consuming by the mean intake rate among consumers (both these numbers are displayed in the tables). Finally, the per capita homegrown intake rate in children under 1 year of the food of interest is estimated by multiplying the homegrown per-capita intake rate in the 1 to 2 year age group by the above ratio of intakes in the under 1 year age group as compared to the 1 to 2 year age group.

The AIHC Sourcebook (AIHC, 1994) used data presented in the 1989 version of the Exposure Factors Handbook which reported data from the USDA 1977-78 NFCS. In this Handbook, new analyses of more recent data from USDA were conducted. Numbers, however, cannot be directly compared with previous values since the results from the new analyses are presented on a body weight basis.

### **13.6. REFERENCES FOR CHAPTER 13**

- American Industrial Health Council (AIHC) (1994)  
Exposure factors sourcebook. AIHC, Washington,  
DC.
- National Gardening Association. (1987) National  
gardening survey: 1986-1987. Burlington,  
Vermont: The National Gardening Association, Inc.
- USDA. (1975) Food yields summarized by different  
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**Chapter 13 - Intake Rates for Various Home Produced Food Items**

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USDA. (1987-88) Dataset: Nationwide Food Consumption Survey 1987/88 Household Food Use. U.S. Department of Agriculture. Washington, D.C. 1987/88 NFCS Database.

USDA. (1992) Changes in food consumption and expenditures in American households during the 1980's. U.S. Department of Agriculture. Washington, D.C. Statistical Bulletin No. 849.

USDA. (1993) Food and nutrient intakes by individuals in the United States, 1 Day, 1987-88. Nationwide Food Consumption Survey 1987-88, NFCS Report No. 87-I-1.

USDA. (1994) Food consumption and dietary levels of households in the United States, 1987-88. U.S. Department of Agriculture, Agricultural Research Service. Report No. 87-H-1.



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-8. Consumer Only Intake of Homegrown Fruits (g/kg-day) - All Regions Combined															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
<b>Total</b>	14744000	817	7.84	2.68E+00	1.89E-01	6.26E-02	1.68E-01	2.78E-01	4.97E-01	1.07E+00	2.37E+00	5.97E+00	1.11E+01	2.40E+01	6.06E+01
<b>Age (years)</b>															
01-02	360000	23	6.32	8.74E+00	3.10E+00	9.59E-01	1.09E+00	1.30E+00	1.64E+00	3.48E+00	7.98E+00	1.93E+01	6.06E+01	6.06E+01	6.06E+01
03-05	550000	34	6.79	4.07E+00	1.48E+00	1.00E-02	1.00E-02	3.62E-01	9.77E-01	1.92E+00	2.73E+00	6.02E+00	8.91E+00	4.83E+01	4.83E+01
06-11	1044000	75	6.25	3.59E+00	6.76E-01	1.00E-02	1.91E-01	4.02E-01	6.97E-01	1.31E+00	3.08E+00	1.18E+01	1.58E+01	3.22E+01	3.22E+01
12-19	1189000	67	5.80	1.94E+00	3.66E-01	8.74E-02	1.27E-01	2.67E-01	4.41E-01	6.61E-01	2.35E+00	6.76E+00	8.34E+00	1.85E+01	1.85E+01
20-39	3163000	164	5.13	1.95E+00	3.33E-01	8.14E-02	1.28E-01	2.04E-01	3.74E-01	7.03E-01	1.77E+00	4.17E+00	6.84E+00	1.61E+01	3.70E+01
40-69	5633000	309	9.93	2.66E+00	3.04E-01	6.26E-02	1.91E-01	2.86E-01	4.69E-01	1.03E+00	2.33E+00	5.81E+00	1.30E+01	2.38E+01	5.33E+01
70 +	2620000	134	16.50	2.25E+00	2.34E-01	4.41E-02	2.24E-01	3.80E-01	6.11E-01	1.18E+00	2.35E+00	5.21E+00	8.69E+00	1.17E+01	1.53E+01
<b>Season</b>															
Fall	3137000	108	6.58	1.57E+00	1.59E-01	2.63E-01	3.04E-01	3.90E-01	5.70E-01	1.04E+00	1.92E+00	3.48E+00	4.97E+00	1.06E+01	1.06E+01
Spring	2963000	301	6.42	1.58E+00	1.37E-01	8.89E-02	1.98E-01	2.54E-01	4.23E-01	8.57E-01	1.70E+00	4.07E+00	5.10E+00	8.12E+00	3.17E+01
Summer	4356000	145	9.58	3.86E+00	6.40E-01	1.00E-02	9.18E-02	1.56E-01	4.45E-01	1.26E+00	3.31E+00	1.09E+01	1.46E+01	5.33E+01	6.06E+01
Winter	4288000	263	8.80	3.08E+00	3.41E-01	4.41E-02	1.72E-01	2.69E-01	5.56E-01	1.15E+00	2.61E+00	8.04E+00	1.53E+01	2.49E+01	4.83E+01
<b>Urbanization</b>															
Central City	3668000	143	6.51	2.31E+00	2.64E-01	4.41E-02	1.82E-01	3.33E-01	5.67E-01	1.08E+00	2.46E+00	5.34E+00	1.05E+01	1.43E+01	1.93E+01
Nonmetropolitan	4118000	278	9.15	2.41E+00	3.09E-01	6.26E-02	1.27E-01	2.32E-01	4.50E-01	1.15E+00	2.42E+00	4.46E+00	8.34E+00	2.40E+01	5.33E+01
Suburban	6898000	394	7.97	3.07E+00	3.22E-01	1.25E-01	2.30E-01	2.95E-01	4.91E-01	9.93E-01	2.33E+00	7.26E+00	1.52E+01	3.70E+01	6.06E+01
<b>Race</b>															
Black	450000	20	2.07	1.87E+00	8.53E-01	1.32E-01	2.84E-01	4.55E-01	6.08E-01	1.13E+00	1.53E+00	2.29E+00	2.29E+00	1.93E+01	1.93E+01
White	14185000	793	9.00	2.73E+00	1.94E-01	7.22E-02	1.82E-01	2.82E-01	5.10E-01	1.07E+00	2.46E+00	6.10E+00	1.17E+01	2.40E+01	6.06E+01
<b>Questionnaire Response</b>															
Households who garden	12742000	709	18.70	2.79E+00	2.10E-01	5.60E-02	1.84E-01	2.87E-01	5.30E-01	1.12E+00	2.50E+00	6.10E+00	1.18E+01	2.49E+01	6.06E+01
Households who farm	1917000	112	26.16	2.58E+00	2.59E-01	7.22E-02	2.76E-01	4.13E-01	7.53E-01	1.61E+00	3.62E+00	5.97E+00	7.82E+00	1.58E+01	1.58E+01
NOTE: SE = standard error P = percentile of the distribution Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.															
Source: Based on EPA's analyses of the 1987/88 NFCS															



Table 13-9. Consumer Only Intake of Homegrown Fruits (g/kg-day) - Northeast																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	1279000	72	3.11	9.29E-01	2.20E-01	7.91E-02	8.48E-02	1.61E-01	3.11E-01	4.85E-01	7.82E-01	1.29E+00	2.16E+00	1.17E+01	1.17E+01	
Season						*	*	*	*	*	*	*	*	*	*	*
Fall	260000	8	2.77	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	352000	31	3.34	8.80E-01	2.32E-01	8.74E-02	1.61E-01	1.68E-01	2.87E-01	4.85E-01	8.79E-01	1.83E+00	2.16E+00	7.13E+00	7.13E+00	
Summer	271000	9	2.86	*	*	*	*	*	*	*	*	*	*	*	*	*
Winter	396000	24	3.36	7.10E-01	1.13E-01	1.84E-01	2.07E-01	2.30E-01	2.93E-01	5.42E-01	8.81E-01	1.38E+00	1.79E+00	2.75E+00	2.75E+00	
Urbanization						*	*	*	*	*	*	*	*	*	*	*
Central City	50000	3	0.52	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	176000	10	3.19	*	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	1053000	59	4.05	1.05E+00	2.63E-01	1.84E-01	2.30E-01	2.93E-01	4.37E-01	5.43E-01	8.12E-01	1.29E+00	2.75E+00	1.17E+01	1.17E+01	
Questionnaire Response																
Households who garden	983000	59	7.86	1.04E+00	2.64E-01	8.74E-02	1.82E-01	2.13E-01	3.75E-01	5.43E-01	8.81E-01	1.38E+00	2.75E+00	1.17E+01	1.17E+01	
Households who farm	132000	4	15.90	*	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-10. Consumer Only Intake of Homegrown Fruits (g/kg-day) - Midwest																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	4683000	302	10.09	3.01E+00	4.13E-01	4.41E-02	1.25E-01	2.35E-01	4.68E-01	1.03E+00	2.31E+00	6.76E+00	1.39E+01	5.33E+01	6.06E+01	
Season																
Fall	1138000	43	7.90	1.54E+00	1.86E-01	2.63E-01	3.04E-01	4.74E-01	6.11E-01	1.07E+00	1.92E+00	3.48E+00	4.34E+00	5.33E+00	5.33E+00	
Spring	1154000	133	10.83	1.69E+00	2.76E-01	8.89E-02	2.09E-01	2.62E-01	4.23E-01	9.23E-01	1.72E+00	2.89E+00	4.47E+00	1.60E+01	3.17E+01	
Summer	1299000	44	12.70	7.03E+00	1.85E+00	6.26E-02	9.18E-02	1.25E-01	4.28E-01	1.55E+00	8.34E+00	1.61E+01	3.70E+01	6.06E+01	6.06E+01	
Winter	1092000	82	9.83	1.18E+00	1.80E-01	2.57E-02	5.60E-02	1.46E-01	3.62E-01	6.09E-01	1.42E+00	2.61E+00	3.73E+00	1.09E+01	1.09E+01	
Urbanization																
Central City	1058000	42	6.08	1.84E+00	3.93E-01	4.15E-02	1.01E-01	2.63E-01	5.21E-01	1.07E+00	1.90E+00	2.82E+00	9.74E+00	1.09E+01	1.09E+01	
Nonmetropolitan	1920000	147	13.43	2.52E+00	5.43E-01	5.60E-02	1.08E-01	1.46E-01	3.96E-01	1.03E+00	2.07E+00	4.43E+00	6.84E+00	5.33E+01	5.33E+01	
Suburban	1705000	113	11.60	4.29E+00	8.72E-01	9.18E-02	2.04E-01	3.10E-01	4.81E-01	7.64E-01	3.01E+00	1.39E+01	1.80E+01	6.06E+01	6.06E+01	
Response to Questionnaire																
Households who garden	4060000	267	18.17	3.27E+00	4.69E-01	4.41E-02	1.01E-01	2.04E-01	4.48E-01	1.07E+00	2.37E+00	7.15E+00	1.46E+01	5.33E+01	6.06E+01	
Households who farm	694000	57	25.89	2.59E+00	3.01E-01	5.60E-02	1.91E-01	4.08E-01	1.26E+00	1.63E+00	3.89E+00	6.76E+00	8.34E+00	1.11E+01	1.11E+01	

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-11. Consumer Only Intake of Homegrown Fruits (g/kg-day) - South															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total Season															
Fall	896000	29	6.80	1.99E+00	4.39E-01	3.92E-01	4.27E-01	4.46E-01	6.50E-01	1.13E+00	1.96E+00	4.97E+00	8.18E+00	1.41E+01	2.38E+01
Spring	620000	59	3.69	2.05E+00	2.55E-01	1.55E-01	2.82E-01	3.11E-01	4.50E-01	1.06E+00	4.09E+00	5.01E+00	6.58E+00	7.05E+00	7.05E+00
Summer	1328000	46	7.48	2.84E+00	6.50E-01	8.14E-02	1.56E-01	2.67E-01	4.41E-01	1.31E+00	2.83E+00	6.10E+00	1.43E+01	2.40E+01	2.40E+01
Winter	1304000	74	7.86	4.21E+00	6.51E-01	1.12E-01	2.36E-01	3.82E-01	8.92E-01	1.88E+00	3.71E+00	1.41E+01	1.97E+01	2.38E+01	2.38E+01
Urbanization															
Central City	1066000	39	6.18	3.33E+00	5.39E-01	2.36E-01	3.92E-01	4.55E-01	8.34E-01	2.55E+00	4.77E+00	8.18E+00	1.06E+01	1.43E+01	1.43E+01
Nonmetropolitan	1548000	89	8.10	2.56E+00	3.87E-01	8.14E-02	2.67E-01	3.38E-01	6.12E-01	1.40E+00	2.83E+00	5.97E+00	1.04E+01	2.40E+01	2.40E+01
Suburban	1534000	80	5.48	3.14E+00	6.02E-01	1.12E-01	1.56E-01	2.84E-01	5.08E-01	1.10E+00	2.29E+00	1.18E+01	1.55E+01	2.38E+01	2.38E+01
Response to Questionnaire															
Households who garden	3469000	174	16.91	2.82E+00	2.94E-01	1.56E-01	2.84E-01	3.84E-01	6.50E-01	1.39E+00	2.94E+00	6.10E+00	1.41E+01	2.11E+01	2.40E+01
Households who farm	296000	16	13.26	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-12. Consumer Only Intake of Homegrown Fruits (g/kg-day) - West															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total Season															
Fall	843000	28	7.88	1.47E+00	2.49E-01	2.91E-01	2.91E-01	2.95E-01	4.83E-01	1.04E+00	2.15E+00	2.99E+00	4.65E+00	5.39E+00	5.39E+00
Spring	837000	78	10.26	1.37E+00	1.59E-01	1.73E-01	1.96E-01	2.51E-01	5.10E-01	9.81E-01	1.61E+00	2.95E+00	5.29E+00	6.68E+00	7.02E+00
Summer	1398000	44	17.51	2.47E+00	4.72E-01	1.86E-01	2.75E-01	4.04E-01	6.17E-01	1.28E+00	3.14E+00	7.26E+00	1.09E+01	1.30E+01	1.30E+01
Winter	1496000	83	16.22	4.10E+00	7.91E-01	7.14E-02	2.96E-01	3.33E-01	7.74E-01	1.51E+00	3.74E+00	1.11E+01	1.85E+01	4.83E+01	4.83E+01
Urbanization															
Central City	1494000	59	12.41	1.99E+00	4.24E-01	7.14E-02	2.35E-01	3.42E-01	5.26E-01	8.63E-01	2.04E+00	4.63E+00	9.52E+00	1.93E+01	1.93E+01
Nonmetropolitan	474000	32	7.76	2.24E+00	5.25E-01	1.84E-01	2.76E-01	4.24E-01	6.25E-01	7.68E-01	2.64E+00	4.25E+00	1.09E+01	1.09E+01	1.09E+01
Suburban	2606000	142	14.54	3.04E+00	4.63E-01	1.83E-01	2.75E-01	3.14E-01	7.10E-01	1.39E+00	3.14E+00	5.81E+00	1.03E+01	3.22E+01	4.83E+01
Response to Questionnaire															
Households who garden	4170000	207	32.77	2.76E+00	3.39E-01	1.00E-01	2.75E-01	3.14E-01	6.29E-01	1.20E+00	2.54E+00	5.81E+00	1.09E+01	2.49E+01	4.83E+01
Households who farm	795000	35	50.13	1.85E+00	2.59E-01	2.75E-01	2.76E-01	5.98E-01	7.10E-01	1.26E+00	2.50E+00	4.63E+00	5.00E+00	6.81E+00	6.81E+00

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-13. Consumer Only Intake of Homegrown Vegetables (g/kg-day) - All Regions Combined															
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	34392000	1855	18.29	2.08E+00	6.76E-02	4.79E-03	1.10E-01	1.80E-01	4.47E-01	1.11E+00	2.47E+00	5.20E+00	7.54E+00	1.55E+01	2.70E+01
Age															
01-02	951000	53	16.69	5.20E+00	8.47E-01	2.32E-02	2.45E-01	3.82E-01	1.23E+00	3.27E+00	5.83E+00	1.31E+01	1.96E+01	2.70E+01	2.70E+01
03-05	1235000	76	15.24	2.46E+00	2.79E-01	0.00E+00	4.94E-02	3.94E-01	7.13E-01	1.25E+00	3.91E+00	6.35E+00	7.74E+00	1.06E+01	1.28E+01
06-11	3024000	171	18.10	2.02E+00	2.54E-01	5.95E-03	1.00E-01	1.60E-01	4.00E-01	8.86E-01	2.21E+00	4.64E+00	6.16E+00	1.76E+01	2.36E+01
12-19	3293000	183	16.07	1.48E+00	1.35E-01	0.00E+00	6.46E-02	1.45E-01	3.22E-01	8.09E-01	1.83E+00	3.71E+00	6.03E+00	7.71E+00	9.04E+00
20-39	8593000	437	13.95	1.47E+00	9.59E-02	1.69E-02	7.77E-02	1.57E-01	2.73E-01	7.61E-01	1.91E+00	3.44E+00	4.92E+00	1.05E+01	2.06E+01
40-69	12828000	700	22.62	2.07E+00	1.02E-01	5.13E-03	1.19E-01	2.14E-01	5.26E-01	1.18E+00	2.47E+00	5.12E+00	6.94E+00	1.49E+01	2.29E+01
70 +	4002000	211	25.20	2.51E+00	1.94E-01	5.21E-03	1.51E-01	2.39E-01	5.81E-01	1.37E+00	3.69E+00	6.35E+00	8.20E+00	1.25E+01	1.55E+01
Seasons															
Fall	11026000	394	23.13	1.88E+00	1.28E-01	4.98E-02	1.13E-01	1.80E-01	4.13E-01	9.83E-01	2.11E+00	4.88E+00	6.94E+00	1.25E+01	1.89E+01
Spring	6540000	661	14.17	1.36E+00	7.23E-02	2.44E-03	4.47E-02	1.35E-01	3.21E-01	7.04E-01	1.63E+00	3.37E+00	5.21E+00	8.35E+00	2.36E+01
Summer	11081000	375	24.36	2.86E+00	1.93E-01	6.93E-02	1.57E-01	2.24E-01	7.12E-01	1.62E+00	3.44E+00	6.99E+00	9.75E+00	1.87E+01	2.70E+01
Winter	5745000	425	11.79	1.79E+00	1.14E-01	3.73E-03	4.49E-02	1.56E-01	4.69E-01	1.05E+00	2.27E+00	3.85E+00	6.01E+00	1.06E+01	2.06E+01
Urbanizations															
Central City	6183000	228	10.97	1.40E+00	1.23E-01	1.01E-02	6.59E-02	1.50E-01	3.00E-01	7.50E-01	1.67E+00	3.83E+00	4.67E+00	9.96E+00	1.66E+01
Nonmetropolitan	13808000	878	30.67	2.68E+00	1.19E-01	2.12E-02	1.58E-01	2.58E-01	5.99E-01	1.45E+00	3.27E+00	6.35E+00	9.33E+00	1.75E+01	2.70E+01
Suburban	14341000	747	16.56	1.82E+00	9.12E-02	3.34E-03	1.10E-01	1.63E-01	3.94E-01	9.63E-01	2.18E+00	4.32E+00	6.78E+00	1.25E+01	2.06E+01
Race															
Black	1872000	111	8.61	1.78E+00	2.33E-01	0.00E+00	7.77E-02	1.39E-01	4.38E-01	9.32E-01	2.06E+00	4.68E+00	5.70E+00	8.20E+00	1.89E+01
White	31917000	1714	20.26	2.10E+00	7.09E-02	7.34E-03	1.13E-01	1.84E-01	4.54E-01	1.12E+00	2.48E+00	5.18E+00	7.68E+00	1.55E+01	2.70E+01
Response to Questionnaire															
Households who garden	30217000	1643	44.34	2.17E+00	7.09E-02	5.21E-03	1.11E-01	1.85E-01	4.84E-01	1.18E+00	2.68E+00	5.35E+00	7.72E+00	1.55E+01	2.36E+01
Households who farm	4319000	262	58.93	3.29E+00	2.51E-01	0.00E+00	1.61E-01	2.92E-01	8.46E-01	1.67E+00	3.61E+00	8.88E+00	1.18E+01	1.76E+01	2.36E+01
NOTE: SE = standard error P = percentile of the distribution Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.															
Source: Based on EPA's analyses of the 1987-88 NFCS															





## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-14. Consumer Only Intake of Homegrown Vegetables (g/kg-day) - Northeast															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	4883000	236	11.86	1.78E+00	1.68E-01	2.18E-03	8.27E-02	1.43E-01	2.80E-01	7.47E-01	1.89E+00	6.03E+00	7.82E+00	1.27E+01	1.49E+01
Seasons															
Fall	1396000	41	14.87	1.49E+00	4.06E-01	8.27E-02	1.34E-01	1.74E-01	2.69E-01	5.81E-01	1.17E+00	6.64E+00	9.97E+00	1.02E+01	1.02E+01
Spring	1204000	102	11.43	8.18E-01	1.07E-01	0.00E+00	2.89E-03	4.47E-02	1.72E-01	4.55E-01	9.52E-01	2.26E+00	3.11E+00	6.52E+00	6.78E+00
Summer	1544000	48	16.32	2.83E+00	4.67E-01	1.11E-01	1.45E-01	1.59E-01	7.38E-01	1.29E+00	3.63E+00	7.82E+00	9.75E+00	1.49E+01	1.49E+01
Winter	739000	45	6.27	1.67E+00	2.74E-01	3.23E-03	4.23E-03	9.15E-02	2.56E-01	1.25E+00	2.77E+00	3.63E+00	6.10E+00	8.44E+00	8.44E+00
Urbanizations															
Central City	380000	14	3.93	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	787000	48	14.25	3.05E+00	5.41E-01	0.00E+00	4.68E-02	1.14E-01	2.02E-01	2.18E+00	4.61E+00	9.04E+00	1.27E+01	1.49E+01	1.49E+01
Suburban	3716000	174	14.30	1.59E+00	1.74E-01	2.44E-03	8.27E-02	1.42E-01	2.75E-01	7.18E-01	1.64E+00	4.82E+00	6.80E+00	1.02E+01	1.02E+01
Response to Questionnaire															
Households who garden	4381000	211	35.05	1.92E+00	1.84E-01	2.18E-03	8.27E-02	1.42E-01	3.10E-01	8.83E-01	2.18E+00	6.16E+00	7.82E+00	1.27E+01	1.49E+01
Households who farm	352000	19	42.41	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-15. Consumer Only Intake of Homegrown Vegetables (g/kg-day) - Midwest															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	12160000	699	26.21	2.26E+00	1.20E-01	1.59E-02	7.77E-02	1.80E-01	4.88E-01	1.15E+00	2.58E+00	5.64E+00	7.74E+00	1.75E+01	2.36E+01
Seasons															
Fall	4914000	180	34.13	1.84E+00	1.76E-01	1.01E-02	6.51E-02	1.60E-01	4.16E-01	1.03E+00	2.10E+00	5.27E+00	6.88E+00	1.31E+01	1.31E+01
Spring	2048000	246	19.22	1.65E+00	1.49E-01	6.04E-02	1.53E-01	2.21E-01	4.59E-01	9.13E-01	1.72E+00	4.49E+00	5.83E+00	1.28E+01	2.36E+01
Summer	3319000	115	32.45	3.38E+00	3.87E-01	1.05E-01	1.62E-01	3.02E-01	8.47E-01	2.07E+00	3.94E+00	7.72E+00	1.40E+01	1.96E+01	2.29E+01
Winter	1879000	158	16.91	2.05E+00	2.64E-01	2.41E-03	2.14E-02	6.59E-02	3.62E-01	8.77E-01	2.13E+00	5.32E+00	7.83E+00	1.67E+01	2.06E+01
Urbanizations															
Central City	3177000	113	18.26	1.36E+00	1.91E-01	0.00E+00	6.05E-02	1.10E-01	2.45E-01	7.13E-01	1.67E+00	3.94E+00	5.50E+00	9.96E+00	1.66E+01
Nonmetropolitan	5344000	379	37.38	2.73E+00	1.86E-01	2.12E-02	1.13E-01	2.61E-01	5.98E-01	1.31E+00	3.15E+00	7.19E+00	1.06E+01	1.75E+01	2.36E+01
Suburban	3639000	207	24.75	2.35E+00	2.16E-01	3.26E-02	1.54E-01	2.22E-01	6.36E-01	1.39E+00	2.75E+00	4.87E+00	7.18E+00	1.96E+01	2.06E+01
Response to Questionnaire															
Households who garden	10927000	632	48.89	2.33E+00	1.27E-01	1.59E-02	1.04E-01	1.76E-01	5.03E-01	1.18E+00	2.74E+00	5.81E+00	7.75E+00	1.67E+01	2.36E+01
Households who farm	1401000	104	52.26	3.97E+00	4.31E-01	1.40E-01	3.35E-01	5.51E-01	8.67E-01	2.18E+00	5.24E+00	1.06E+01	1.44E+01	1.75E+01	2.36E+01

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-16. Consumer Only Intake of Homegrown Vegetables (g/kg-day) - South															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	11254000	618	17.49	2.19E+00	1.21E-01	2.92E-02	1.60E-01	2.41E-01	5.63E-01	1.24E+00	2.69E+00	4.92E+00	7.43E+00	1.70E+01	2.70E+01
<b>Seasons</b>															
Fall	2875000	101	21.80	2.07E+00	2.82E-01	9.59E-02	1.13E-01	1.91E-01	5.24E-01	1.14E+00	2.69E+00	4.48E+00	6.02E+00	1.55E+01	1.89E+01
Spring	2096000	214	12.47	1.55E+00	1.13E-01	1.41E-02	9.21E-02	2.61E-01	5.33E-01	9.35E-01	2.07E+00	3.58E+00	4.81E+00	8.35E+00	1.03E+01
Summer	4273000	151	24.07	2.73E+00	3.16E-01	1.10E-01	1.72E-01	2.50E-01	6.15E-01	1.54E+00	3.15E+00	5.99E+00	9.70E+00	2.36E+01	2.70E+01
Winter	2010000	152	12.12	1.88E+00	1.37E-01	3.03E-03	1.63E-01	3.53E-01	6.40E-01	1.37E+00	2.69E+00	3.79E+00	5.35E+00	7.47E+00	8.36E+00
<b>Urbanizations</b>															
Central City	1144000	45	6.63	1.10E+00	1.62E-01	1.10E-02	9.59E-02	1.50E-01	2.63E-01	6.15E-01	1.37E+00	2.79E+00	3.70E+00	4.21E+00	4.58E+00
Nonmetropolitan	6565000	386	34.37	2.78E+00	1.84E-01	5.08E-02	2.23E-01	3.50E-01	7.12E-01	1.66E+00	3.31E+00	5.99E+00	9.56E+00	1.89E+01	2.70E+01
Suburban	3545000	187	12.67	1.44E+00	1.13E-01	0.00E+00	1.13E-01	1.99E-01	3.96E-01	9.33E-01	1.72E+00	3.61E+00	5.26E+00	8.20E+00	8.20E+00
<b>Response to Questionnaire</b>															
Households who garden	9447000	522	46.04	2.27E+00	1.22E-01	3.46E-02	1.61E-01	2.62E-01	6.10E-01	1.37E+00	3.02E+00	5.18E+00	7.43E+00	1.55E+01	2.36E+01
Households who farm	1609000	91	72.09	3.34E+00	4.57E-01	0.00E+00	1.32E-01	2.33E-01	1.03E+00	1.72E+00	3.15E+00	9.56E+00	1.18E+01	2.36E+01	2.36E+01
NOTE: SE = standard error P = percentile of the distribution Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.															
Source: Based on EPA's analyses of the 1987-88 NFCS															

Table 13-17. Consumer Only Intake of Homegrown Vegetables (g/kg-day) - West															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	6035000	300	16.73	1.81E+00	1.38E-01	7.35E-03	9.85E-02	1.66E-01	3.79E-01	9.01E-01	2.21E+00	4.64E+00	6.21E+00	1.14E+01	1.55E+01
<b>Seasons</b>															
Fall	1841000	72	17.21	2.01E+00	2.93E-01	9.83E-02	1.50E-01	2.04E-01	4.81E-01	1.21E+00	2.21E+00	4.85E+00	7.72E+00	1.25E+01	1.25E+01
Spring	1192000	99	14.61	1.06E+00	1.74E-01	3.31E-03	7.35E-03	4.66E-02	1.95E-01	3.56E-01	9.08E-01	3.37E+00	5.54E+00	8.60E+00	8.60E+00
Summer	1885000	59	23.60	2.39E+00	3.71E-01	6.93E-02	1.04E-01	2.46E-01	5.45E-01	1.37E+00	3.23E+00	4.67E+00	8.36E+00	1.55E+01	1.55E+01
Winter	1117000	70	12.11	1.28E+00	1.72E-01	1.29E-02	1.52E-01	1.99E-01	4.83E-01	7.65E-01	1.43E+00	2.81E+00	5.12E+00	7.57E+00	7.98E+00
<b>Urbanizations</b>															
Central City	1482000	56	12.31	1.80E+00	2.76E-01	2.58E-02	7.39E-02	1.57E-01	4.81E-01	1.10E+00	2.95E+00	4.64E+00	4.85E+00	1.14E+01	1.14E+01
Nonmetropolitan	1112000	65	18.21	1.52E+00	2.24E-01	3.42E-03	9.80E-03	2.04E-01	2.69E-01	6.75E-01	2.13E+00	4.13E+00	5.12E+00	8.16E+00	8.16E+00
Suburban	3441000	179	19.20	1.90E+00	1.98E-01	1.29E-02	1.04E-01	1.52E-01	3.94E-01	9.32E-01	2.20E+00	4.63E+00	7.98E+00	1.25E+01	1.55E+01
<b>Response to Questionnaire</b>															
Households who garden	5402000	276	42.45	1.91E+00	1.04E-03	8.53E-03	1.04E-01	1.66E-01	4.33E-01	1.07E+00	2.37E+00	4.67E+00	6.21E+00	1.25E+01	1.55E+01
Households who farm	957000	48	60.34	2.73E+00	3.32E-03	1.17E-01	4.14E-01	4.69E-01	7.65E-01	1.42E+00	3.27E+00	6.94E+00	1.09E+01	1.55E+01	1.55E+01
NOTE: SE = standard error P = percentile of the distribution Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.															
Source: Based on EPA's analyses of the 1987-88 NFCS															



Table 13-18. Consumer Only Intake of Home Produced Meats (g/kg-day) - All Regions Combined															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	9257000	569	4.92	2.21E+00	1.07E-01	1.21E-01	2.37E-01	3.74E-01	6.60E-01	1.39E+00	2.89E+00	4.89E+00	6.78E+00	1.40E+01	2.32E+01
Age															
01-02	276000	22	4.84	3.65E+00	6.10E-01	3.85E-01	9.49E-01	9.49E-01	1.19E+00	2.66E+00	4.72E+00	8.68E+00	1.00E+01	1.15E+01	1.15E+01
03-05	396000	26	4.89	3.61E+00	5.09E-01	8.01E-01	8.01E-01	1.51E+00	2.17E+00	2.82E+00	3.72E+00	7.84E+00	9.13E+00	1.30E+01	1.30E+01
06-11	1064000	65	6.37	3.65E+00	4.51E-01	3.72E-01	6.52E-01	7.21E-01	1.28E+00	2.09E+00	4.71E+00	8.00E+00	1.40E+01	1.53E+01	1.53E+01
12-19	1272000	78	6.21	1.70E+00	1.68E-01	1.90E-01	3.20E-01	4.70E-01	6.23E-01	1.23E+00	2.35E+00	3.66E+00	4.34E+00	6.78E+00	7.51E+00
20-39	2732000	158	4.43	1.82E+00	1.53E-01	1.23E-01	1.85E-01	2.95E-01	5.28E-01	1.11E+00	2.65E+00	4.52E+00	6.23E+00	9.17E+00	1.09E+01
40-69	2872000	179	5.06	1.72E+00	1.11E-01	1.81E-02	2.12E-01	3.43E-01	5.84E-01	1.17E+00	2.38E+00	3.67E+00	5.16E+00	5.90E+00	7.46E+00
70 +	441000	28	2.78	1.39E+00	2.34E-01	9.26E-02	9.26E-02	1.25E-01	5.47E-01	1.01E+00	1.81E+00	2.82E+00	3.48E+00	7.41E+00	7.41E+00
Seasons															
Fall	2852000	107	5.98	1.57E+00	1.39E-01	1.23E-01	2.10E-01	3.52E-01	5.21E-01	1.11E+00	2.27E+00	3.19E+00	4.41E+00	6.78E+00	7.84E+00
Spring	1726000	197	3.74	2.37E+00	1.52E-01	2.44E-01	3.20E-01	4.46E-01	7.76E-01	1.69E+00	3.48E+00	5.00E+00	6.67E+00	1.01E+01	1.30E+01
Summer	2368000	89	5.21	3.10E+00	3.82E-01	1.81E-02	1.85E-01	4.06E-01	8.52E-01	1.77E+00	4.34E+00	7.01E+00	1.05E+01	2.23E+01	2.23E+01
Winter	2311000	176	4.74	1.98E+00	1.74E-01	1.35E-01	2.37E-01	3.67E-01	6.48E-01	1.33E+00	2.43E+00	3.96E+00	6.40E+00	1.09E+01	2.32E+01
Urbanizations															
Central City	736000	28	1.31	1.15E+00	1.83E-01	1.82E-01	1.85E-01	2.10E-01	4.42E-01	7.21E-01	1.58E+00	2.69E+00	3.40E+00	3.64E+00	3.64E+00
Nonmetropolitan	4932000	315	10.95	2.70E+00	1.76E-01	1.23E-01	2.63E-01	4.06E-01	7.49E-01	1.63E+00	3.41E+00	6.06E+00	8.47E+00	1.53E+01	2.32E+01
Suburban	3589000	226	4.15	1.77E+00	1.03E-01	2.90E-02	2.87E-01	3.67E-01	6.80E-01	1.33E+00	2.49E+00	3.66E+00	4.71E+00	7.20E+00	1.01E+01
Race															
Black	128000	6	0.59	*	*	*	*	*	*	*	*	*	*	*	*
White	8995000	556	5.71	2.26E+00	1.09E-01	9.26E-02	2.57E-01	3.86E-01	6.80E-01	1.41E+00	2.91E+00	5.00E+00	7.01E+00	1.40E+01	2.32E+01
Response to Questionnaire															
Households who raise animals	5256000	343	52.06	2.80E+00	1.45E-01	2.12E-01	3.86E-01	6.23E-01	1.03E+00	1.94E+00	3.49E+00	5.90E+00	7.84E+00	1.40E+01	2.32E+01
Households who farm	3842000	243	52.42	2.86E+00	1.85E-01	1.97E-01	4.45E-01	5.98E-01	8.94E-01	1.84E+00	3.64E+00	6.09E+00	8.00E+00	1.40E+01	2.32E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-19. Consumer Only Intake of Home Produced Meats (g/kg-day) - Northeast															
Population Group	Nc wgtd	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1113000	52	2.70	1.46E+00	2.10E-01	2.92E-01	3.40E-01	3.52E-01	6.44E-01	8.94E-01	1.87E+00	2.68E+00	2.89E+00	1.09E+01	1.09E+01
Seasons						*	*	*	*	*	*	*	*	*	*
Fall	569000	18	6.06	*	*	*	*	*	*	*	*	*	*	*	*
Spring	66000	8	0.63	*	*	*	*	*	*	*	*	*	*	*	*
Summer	176000	6	1.86	*	*	*	*	*	*	*	*	*	*	*	*
Winter	302000	20	2.56	2.02E+00	5.56E-01	2.92E-01	3.14E-01	4.30E-01	6.19E-01	1.11E+00	2.38E+00	2.93E+00	7.46E+00	1.09E+01	1.09E+01
Urbanizations															
Central City	0	0	0.00												
Nonmetropolitan	391000	17	7.08	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	722000	35	2.78	1.49E+00	1.53E-01	2.92E-01	3.52E-01	4.30E-01	6.80E-01	1.39E+00	2.34E+00	2.68E+00	2.89E+00	3.61E+00	3.61E+00
Response to Questionnaire															
Households who raise animals	509000	25	43.21	2.03E+00	3.85E-01	6.19E-01	6.46E-01	6.46E-01	8.78E-01	1.62E+00	2.38E+00	2.93E+00	7.46E+00	1.09E+01	1.09E+01
Households who farm	373000	15	44.94	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations  
 NOTE: SE = standard error  
 P = percentile of the distribution  
 Nc wgtd = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.  
 Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-20. Consumer Only Intake of Home Produced Meats (g/kg-day) - Midwest															
Population Group	Nc wgtd	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	3974000	266	8.57	2.55E+00	1.81E-01	1.25E-01	2.57E-01	3.85E-01	6.60E-01	1.40E+00	3.39E+00	5.75E+00	7.20E+00	1.53E+01	2.23E+01
Seasons															
Fall	1261000	49	8.76	1.76E+00	2.31E-01	2.10E-01	2.57E-01	3.72E-01	4.95E-01	1.19E+00	2.66E+00	3.49E+00	6.06E+00	6.78E+00	6.78E+00
Spring	940000	116	8.82	2.58E+00	2.24E-01	2.44E-01	3.11E-01	4.08E-01	7.33E-01	1.98E+00	3.67E+00	5.14E+00	7.79E+00	1.15E+01	1.30E+01
Summer	930000	38	9.09	4.10E+00	7.45E-01	9.26E-02	1.25E-01	5.78E-01	8.93E-01	2.87E+00	5.42E+00	8.93E+00	1.53E+01	2.23E+01	2.23E+01
Winter	843000	63	7.59	2.00E+00	2.41E-01	1.21E-01	2.37E-01	3.28E-01	6.48E-01	1.36E+00	2.69E+00	4.11E+00	5.30E+00	8.10E+00	1.22E+01
Urbanizations															
Central City	460000	18	2.64	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	2477000	175	17.33	3.15E+00	2.58E-01	9.26E-02	2.95E-01	4.25E-01	8.16E-01	2.38E+00	4.34E+00	6.15E+00	9.17E+00	1.53E+01	2.23E+01
Suburban	1037000	73	7.05	1.75E+00	1.99E-01	2.87E-01	3.65E-01	4.08E-01	6.60E-01	1.11E+00	2.03E+00	4.16E+00	5.39E+00	7.20E+00	1.01E+01
Response to Questionnaire															
Households who raise animals	2165000	165	57.86	3.20E+00	2.23E-01	2.56E-01	3.86E-01	5.78E-01	1.07E+00	2.56E+00	4.42E+00	6.06E+00	9.13E+00	1.53E+01	1.53E+01
Households who farm	1483000	108	55.32	3.32E+00	2.91E-01	3.65E-01	5.43E-01	5.89E-01	1.07E+00	2.75E+00	4.71E+00	6.78E+00	9.17E+00	1.53E+01	1.53E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations  
 NOTE: SE = standard error  
 P = percentile of the distribution  
 Nc wgtd = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.  
 Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-21. Consumer Only Intake of Home Produced Meats (g/kg-day) - South															
Population Group	Nc wgtd	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	2355000	146	3.66	2.24E+00	1.94E-01	1.81E-02	1.56E-01	2.97E-01	7.21E-01	1.53E+00	3.07E+00	5.07E+00	6.71E+00	1.40E+01	1.40E+01
Seasons															
Fall	758000	28	5.75	1.81E+00	2.87E-01	1.23E-01	1.56E-01	1.90E-01	8.19E-01	1.53E+00	2.38E+00	3.19E+00	4.41E+00	7.84E+00	7.84E+00
Spring	511000	53	3.04	2.33E+00	2.66E-01	1.93E-01	2.97E-01	4.99E-01	7.52E-01	1.80E+00	2.82E+00	5.16E+00	6.71E+00	7.51E+00	7.51E+00
Summer	522000	18	2.94	*	*	*	*	*	*	*	*	*	*	*	*
Winter	564000	47	3.40	1.80E+00	2.45E-01	3.70E-02	1.97E-01	2.51E-01	7.16E-01	1.40E+00	2.17E+00	3.55E+00	4.58E+00	8.47E+00	8.47E+00
Urbanizations															
Central City	40000	1	0.23	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1687000	97	8.83	2.45E+00	2.59E-01	1.23E-01	1.90E-01	4.02E-01	7.77E-01	1.61E+00	3.19E+00	6.09E+00	7.84E+00	1.40E+01	1.40E+01
Suburban	628000	48	2.24	1.79E+00	2.30E-01	1.81E-02	2.90E-02	3.70E-02	6.28E-01	1.40E+00	2.31E+00	4.56E+00	4.61E+00	6.40E+00	6.40E+00
Response to Questionnaire															
Households who raise animals	1222000	74	46.95	3.16E+00	3.16E-01	2.63E-01	6.67E-01	8.35E-01	1.34E+00	2.11E+00	3.79E+00	6.67E+00	8.47E+00	1.40E+01	1.40E+01
Households who farm	1228000	72	55.02	2.85E+00	3.24E-01	1.95E-01	4.99E-01	5.98E-01	1.01E+00	1.93E+00	3.48E+00	6.23E+00	8.47E+00	1.40E+01	1.40E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-22. Consumer Only Intake of Home Produced Meats (g/kg-day) - West															
Population Group	Nc wgtd	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1815000	105	5.03	1.89E+00	2.12E-01	1.52E-01	2.25E-01	3.90E-01	6.58E-01	1.42E+00	2.49E+00	3.66E+00	4.71E+00	8.00E+00	2.32E+01
Seasons															
Fall	264000	12	2.47	*	*	*	*	*	*	*	*	*	*	*	*
Spring	209000	20	2.56	1.86E+00	2.27E-01	2.99E-01	4.25E-01	8.70E-01	1.22E+00	1.56E+00	2.43E+00	3.48E+00	4.20E+00	4.20E+00	4.20E+00
Summer	740000	27	9.27	2.20E+00	3.18E-01	1.85E-01	4.06E-01	5.35E-01	1.07E+00	1.69E+00	3.27E+00	4.44E+00	4.71E+00	8.00E+00	8.00E+00
Winter	602000	46	6.53	2.11E+00	4.55E-01	1.35E-01	3.56E-01	4.28E-01	6.72E-01	1.19E+00	2.35E+00	3.64E+00	7.02E+00	2.32E+01	2.32E+01
Urbanizations															
Central City	236000	9	1.96	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	377000	26	6.17	2.10E+00	7.00E-01	3.30E-01	3.30E-01	4.06E-01	6.72E-01	1.19E+00	1.77E+00	3.72E+00	4.97E+00	2.32E+01	2.32E+01
Suburban	1202000	70	6.71	1.95E+00	1.99E-01	1.52E-01	2.25E-01	3.67E-01	7.80E-01	1.52E+00	2.71E+00	4.20E+00	4.71E+00	8.00E+00	8.00E+00
Response to Questionnaire															
Households who raise animals	1360000	79	52.84	2.12E+00	2.65E-01	1.52E-01	2.25E-01	3.90E-01	8.15E-01	1.56E+00	2.71E+00	4.20E+00	4.97E+00	8.00E+00	2.32E+01
Households who farm	758000	48	47.79	2.41E+00	4.26E-01	1.35E-01	3.30E-01	4.67E-01	7.85E-01	1.55E+00	2.91E+00	4.71E+00	7.02E+00	2.32E+01	2.32E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-23. Consumer Only Intake of Home Caught Fish (g/kg-day) - All Regions Combined

Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	3914000	239	2.08	2.07E+00	2.38E-01	8.16E-02	9.11E-02	1.95E-01	2.28E-01	4.31E-01	9.97E-01	2.17E+00	4.68E+00	7.83E+00	1.55E+01
<b>Age</b>															
01-02	82000	6	1.44	*	*	*	*	*	*	*	*	*	*	*	*
03-05	142000	11	1.75	*	*	*	*	*	*	*	*	*	*	*	*
06-11	382000	29	2.29	2.78E+00	8.40E-01	1.60E-01	1.60E-01	1.84E-01	2.28E-01	5.47E-01	1.03E+00	3.67E+00	7.05E+00	7.85E+00	2.53E+01
12-19	346000	21	1.69	1.52E+00	4.07E-01	1.95E-01	1.95E-01	1.95E-01	1.95E-01	3.11E-01	9.84E-01	1.79E+00	4.68E+00	6.67E+00	8.44E+00
20-39	962000	59	1.56	1.91E+00	3.34E-01	8.16E-02	8.16E-02	9.11E-02	1.18E-01	4.43E-01	1.06E+00	2.18E+00	4.46E+00	9.57E+00	1.30E+01
40-69	1524000	86	2.69	1.79E+00	2.56E-01	9.47E-02	9.47E-02	2.10E-01	2.75E-01	3.45E-01	9.85E-01	1.99E+00	4.43E+00	6.56E+00	1.08E+01
70 +	450000	24	2.83	1.22E+00	2.30E-01	9.88E-02	9.88E-02	2.33E-01	2.33E-01	5.68E-01	7.64E-01	1.56E+00	3.73E+00	3.73E+00	5.12E+00
<b>Season</b>															
Fall	1220000	45	2.56	1.31E+00	2.16E-01	1.84E-01	1.84E-01	1.96E-01	2.10E-01	3.18E-01	9.16E-01	1.79E+00	2.64E+00	3.73E+00	6.56E+00
Spring	1112000	114	2.41	3.08E+00	5.55E-01	9.88E-02	1.16E-01	3.08E-01	3.40E-01	5.59E-01	1.27E+00	2.64E+00	6.68E+00	1.08E+01	3.73E+01
Summer	911000	29	2.00	1.88E+00	4.24E-01	8.16E-02	8.16E-02	9.11E-02	2.04E-01	3.01E-01	7.64E-01	3.19E+00	4.43E+00	5.65E+00	9.57E+00
Winter	671000	51	1.38	2.05E+00	3.68E-01	9.47E-02	9.47E-02	1.11E-01	1.60E-01	5.10E-01	1.06E+00	2.09E+00	5.89E+00	7.85E+00	1.31E+01
<b>Urbanization</b>															
Central City	999000	46	1.77	1.79E+00	3.40E-01	9.47E-02	9.47E-02	1.60E-01	2.84E-01	6.08E-01	1.07E+00	1.85E+00	3.73E+00	9.57E+00	9.57E+00
Nonmetropolitan	1174000	94	2.61	3.15E+00	5.74E-01	9.88E-02	1.16E-01	3.10E-01	3.62E-01	5.68E-01	1.88E+00	3.86E+00	6.52E+00	7.83E+00	3.73E+01
Suburban	1741000	99	2.01	1.50E+00	2.30E-01	8.16E-02	8.16E-02	1.84E-01	2.01E-01	2.86E-01	5.87E-01	1.38E+00	4.37E+00	7.05E+00	1.08E+01
<b>Race</b>															
Black	593000	41	2.73	1.81E+00	3.74E-01	1.84E-01	1.84E-01	2.01E-01	2.86E-01	3.18E-01	9.84E-01	2.17E+00	4.68E+00	9.57E+00	9.57E+00
White	3228000	188	2.05	2.07E+00	2.81E-01	8.16E-02	8.16E-02	1.60E-01	2.27E-01	3.93E-01	9.97E-01	2.16E+00	4.99E+00	6.68E+00	1.61E+01
<b>Response to Questionnaire</b>															
Households who fish	3553000	220	8.94	2.22E+00	2.58E-01	8.16E-02	8.16E-02	1.84E-01	2.27E-01	4.66E-01	1.09E+00	2.23E+00	5.61E+00	7.85E+00	1.61E+01
* Intake data not provided for subpopulations for which there were less than 20 observations															
NOTE: SE = standard error P = percentile of the distribution Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.															
Source: Based on EPA's analyses of the 1987-88 NFCS															



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-24. Consumer Only Intake of Home Caught Fish (g/kg-day) - Northeast															
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total Season	334000	12	0.81	*	*	*	*	*	*	*	*	*	*	*	*
Fall	135000	4	1.44	*	*	*	*	*	*	*	*	*	*	*	*
Spring	14000	2	0.13	*	*	*	*	*	*	*	*	*	*	*	*
Summer	132000	3	1.40	*	*	*	*	*	*	*	*	*	*	*	*
Winter	53000	3	0.45	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization															
Central City		0													
Nonmetropolitan	42000	4	0.76	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	292000	8	1.12	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire															
Households who fish	334000	12	5.61	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-25. Consumer Only Intake of Home Caught Fish (g/kg-day) - Midwest															
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total Season	1113000	71	2.40	2.13E+00	4.19E-01	8.16E-02	8.16E-02	1.96E-01	2.27E-01	4.71E-01	1.03E+00	1.95E+00	6.10E+00	6.56E+00	1.61E+01
Fall	362000	13	2.51	*	*	*	*	*	*	*	*	*	*	*	*
Spring	224000	27	2.10	3.45E+00	1.22E+00	1.16E-01	1.16E-01	1.18E-01	3.10E-01	4.87E-01	8.21E-01	1.67E+00	1.55E+01	1.61E+01	2.53E+01
Summer	264000	8	2.58	*	*	*	*	*	*	*	*	*	*	*	*
Winter	263000	23	2.37	2.38E+00	5.33E-01	5.10E-01	5.10E-01	5.10E-01	5.48E-01	1.03E+00	1.56E+00	2.13E+00	5.89E+00	6.10E+00	1.31E+01
Urbanization															
Central City	190000	9	1.09	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	501000	40	3.50	3.42E+00	7.17E-01	1.16E-01	1.16E-01	3.30E-01	4.66E-01	5.33E-01	1.88E+00	5.65E+00	6.56E+00	1.31E+01	2.53E+01
Suburban	422000	22	2.87	9.09E-01	1.81E-01	8.16E-02	8.16E-02	8.16E-02	1.96E-01	3.01E-01	5.48E-01	1.28E+00	2.09E+00	2.78E+00	3.73E+00
Response to Questionnaire															
Households who fish	956000	60	7.57	2.35E+00	4.85E-01	8.16E-02	8.16E-02	1.18E-01	2.27E-01	4.66E-01	1.12E+00	2.16E+00	6.52E+00	6.56E+00	2.53E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-26. Consumer Only Intake of Home Caught Fish (g/kg-day) - South															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1440000	101	2.24	2.74E+00	4.76E-01	9.47E-02	9.47E-02	2.04E-01	2.86E-01	5.07E-01	1.48E+00	3.37E+00	5.61E+00	8.44E+00	3.73E+01
Season						*	*	*	*	*	*	*	*	*	*
Fall	274000	11	2.08	*	*	*	*	*	*	*	*	*	*	*	*
Spring	538000	58	3.20	4.00E+00	9.42E-01	3.08E-01	3.08E-01	3.87E-01	4.46E-01	8.74E-01	1.94E+00	3.71E+00	8.33E+00	1.30E+01	4.52E+01
Summer	376000	14	2.12	*	*	*	*	*	*	*	*	*	*	*	*
Winter	252000	18	1.52	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization						*	*	*	*	*	*	*	*	*	*
Central City	281000	16	1.63	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	550000	41	2.88	3.33E+00	1.06E+00	2.85E-01	2.85E-01	3.38E-01	5.07E-01	1.12E+00	1.94E+00	3.19E+00	4.43E+00	6.67E+00	4.52E+01
Suburban	609000	44	2.18	2.73E+00	4.98E-01	2.04E-01	2.04E-01	2.75E-01	2.86E-01	4.26E-01	1.08E+00	4.37E+00	8.33E+00	1.04E+01	1.30E+01
Response to Questionnaire															
Households who fish	1280000	95	9.42	3.00E+00	5.14E-01	9.47E-02	9.47E-02	2.04E-01	2.80E-01	7.06E-01	1.93E+00	3.67E+00	6.68E+00	8.44E+00	3.73E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-27. Consumer Only Intake of Home Caught Fish (g/kg-day) - West															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1027000	55	2.85	1.57E+00	2.72E-01	9.88E-02	1.60E-01	2.01E-01	2.38E-01	4.43E-01	8.38E-01	1.79E+00	3.73E+00	5.67E+00	9.57E+00
Season						*	*	*	*	*	*	*	*	*	*
Fall	449000	17	4.20	*	*	*	*	*	*	*	*	*	*	*	*
Spring	336000	27	4.12	1.35E+00	2.94E-01	9.88E-02	9.88E-02	2.38E-01	3.27E-01	4.43E-01	6.08E-01	1.68E+00	4.68E+00	5.61E+00	5.67E+00
Summer	139000	4	1.74	*	*	*	*	*	*	*	*	*	*	*	*
Winter	103000	7	1.12	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization						*	*	*	*	*	*	*	*	*	*
Central City	528000	21	4.38	2.03E+00	5.25E-01	3.27E-01	3.27E-01	4.33E-01	5.29E-01	7.12E-01	1.45E+00	1.85E+00	3.73E+00	9.57E+00	9.57E+00
Nonmetropolitan	81000	9	1.33	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	418000	25	2.33	1.09E+00	2.49E-01	1.84E-01	1.84E-01	2.01E-01	2.10E-01	3.08E-01	5.87E-01	1.21E+00	2.90E+00	4.68E+00	5.61E+00
Response to Questionnaire															*
Households who fish	983000	53	12.99	1.63E+00	2.81E-01	9.88E-02	1.60E-01	2.01E-01	2.18E-01	5.47E-01	9.64E-01	1.79E+00	3.73E+00	5.67E+00	9.57E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-28. Consumer Only Intake of Home Produced Dairy (g/kg-day) - All Regions																
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	1409000	89	0.75	1.40E+01	1.62E+00	1.80E-01	4.46E-01	5.08E-01	3.18E+00	1.02E+01	1.95E+01	3.42E+01	4.40E+01	7.26E+01	1.11E+02	
Age																
01-02	79000	6	1.39	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	57000	5	0.70	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	264000	16	1.58	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	84000	5	0.41	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	612000	36	0.99	7.41E+00	1.02E+00	2.05E-01	3.96E-01	4.46E-01	1.89E+00	6.46E+00	1.21E+01	1.54E+01	1.95E+01	2.30E+01	2.30E+01	
40-69	216000	16	0.38	*	*	*	*	*	*	*	*	*	*	*	*	*
70 +	77000	3	0.48	*	*	*	*	*	*	*	*	*	*	*	*	*
Seasons																
Fall	211000	7	0.44	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	253000	27	0.55	1.78E+01	4.27E+00	6.28E-01	6.54E-01	6.72E-01	5.06E+00	1.22E+01	1.95E+01	5.09E+01	8.01E+01	1.11E+02	1.11E+02	
Summer	549000	22	1.21	1.53E+01	2.73E+00	4.46E-01	4.46E-01	5.08E-01	5.36E+00	1.06E+01	2.51E+01	3.49E+01	3.67E+01	4.68E+01	4.68E+01	
Winter	396000	33	0.81	8.08E+00	1.99E+00	1.80E-01	2.05E-01	2.80E-01	7.36E-01	5.47E+00	1.15E+01	1.98E+01	2.04E+01	7.26E+01	7.26E+01	
Urbanizations																
Central City	115000	7	0.20	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	988000	59	2.19	1.68E+01	2.10E+00	4.79E-01	9.58E-01	1.89E+00	6.74E+00	1.08E+01	2.04E+01	3.49E+01	4.40E+01	8.01E+01	1.11E+02	
Suburban	306000	23	0.35	9.86E+00	2.38E+00	3.96E-01	3.96E-01	4.46E-01	5.71E-01	5.36E+00	1.31E+01	2.81E+01	2.89E+01	5.09E+01	5.09E+01	
Race																
Black	0	0	0.00													
White	1382000	86	0.88	1.43E+01	1.65E+00	1.80E-01	4.46E-01	5.08E-01	3.82E+00	1.03E+01	1.95E+01	3.42E+01	4.40E+01	8.01E+01	1.11E+02	
Response to Questionnaire																
Households who raise animals	1228000	80	12.16	1.59E+01	1.73E+00	1.80E-01	3.96E-01	1.89E+00	6.13E+00	1.08E+01	1.96E+01	3.49E+01	4.40E+01	8.01E+01	1.11E+02	
Households who farm	1020000	63	13.92	1.71E+01	1.99E+00	3.96E-01	7.36E-01	3.18E+00	9.06E+00	1.21E+01	2.04E+01	3.49E+01	4.40E+01	8.01E+01	1.11E+02	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-29. Consumer Only Intake of Home Produced Dairy (g/kg-day) - Northeast															
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	312000	16	0.76	*	*	*	*	*	*	*	*	*	*	*	*
Seasons															
Fall	48000	2	0.51	*	*	*	*	*	*	*	*	*	*	*	*
Spring	36000	4	0.34	*	*	*	*	*	*	*	*	*	*	*	*
Summer	116000	4	1.23	*	*	*	*	*	*	*	*	*	*	*	*
Winter	112000	6	0.95	*	*	*	*	*	*	*	*	*	*	*	*
Urbanizations															
Central City	0	0	0.00												
Nonmetropolitan	240000	10	4.35	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	72000	6	0.28	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire															
Households who raise animals	312000	16	26.49	*	*	*	*	*	*	*	*	*	*	*	*
Households who farm	312000	16	37.59	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-30. Consumer Only Intake of Home Produced Dairy (g/kg-day) - Midwest															
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	594000	36	1.28	1.86E+01	3.15E+00	4.46E-01	4.46E-01	1.97E+00	8.27E+00	1.24E+01	2.30E+01	4.40E+01	4.68E+01	1.11E+02	1.11E+02
Seasons															
Fall	163000	5	1.13	*	*	*	*	*	*	*	*	*	*	*	*
Spring	94000	12	0.88	*	*	*	*	*	*	*	*	*	*	*	*
Summer	252000	11	2.46	*	*	*	*	*	*	*	*	*	*	*	*
Winter	85000	8	0.76	*	*	*	*	*	*	*	*	*	*	*	*
Urbanizations															
Central City	43000	1	0.25	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	463000	31	3.24	2.33E+01	3.40E+00	4.25E+00	8.27E+00	9.06E+00	1.21E+01	1.60E+01	3.14E+01	4.40E+01	4.68E+01	1.11E+02	1.11E+02
Suburban	88000	4	0.60	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire															
Households who raise animals	490000	32	13.09	2.23E+01	3.33E+00	4.25E+00	5.36E+00	8.27E+00	1.08E+01	1.54E+01	3.14E+01	4.40E+01	4.68E+01	1.11E+02	1.11E+02
Households who farm	490000	32	18.28	2.23E+01	3.33E+00	4.25E+00	5.36E+00	8.27E+00	1.08E+01	1.54E+01	3.14E+01	4.40E+01	4.68E+01	1.11E+02	1.11E+02

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-31. Consumer Only Intake of Home Produced Dairy (g/kg-day) - South															
Population Group	Nc wgtd	Nc unwgtd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	242000	17	0.38	*	*	*	*	*	*	*	*	*	*	*	*
Seasons															
Fall	0	0	0.00												
Spring	27000	3	0.16	*	*	*	*	*	*	*	*	*	*	*	*
Summer	131000	5	0.74	*	*	*	*	*	*	*	*	*	*	*	*
Winter	84000	9	0.51	*	*	*	*	*	*	*	*	*	*	*	*
Urbanizations															
Central City	27000	3	0.16	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	215000	14	1.13	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	0	0	0.00												
Response to Questionnaire															
Households who raise animals	215000	14	8.26	*	*	*	*	*	*	*	*	*	*	*	*
Households who farm	148000	8	6.63	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgtd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS

Table 13-32. Consumer Only Intake of Home Produced Dairy (g/kg-day) - West															
Population Group	Nc wgtd	Nc unwgtd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	261000	20	0.72	1.00E+01	2.75E+00	1.80E-01	1.80E-01	2.05E-01	5.08E-01	6.10E+00	1.33E+01	2.81E+01	2.89E+01	5.09E+01	5.09E+01
Seasons															
Fall	0	0	0.00												
Spring	96000	8	1.18	*	*	*	*	*	*	*	*	*	*	*	*
Summer	50000	2	0.63	*	*	*	*	*	*	*	*	*	*	*	*
Winter	115000	10	1.25	*	*	*	*	*	*	*	*	*	*	*	*
Urbanizations															
Central City	45000	3	0.37	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	70000	4	1.15	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	146000	13	0.81	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire															
Households who raise animals	211000	18	8.20	*	*	*	*	*	*	*	*	*	*	*	*
Households who farm	70000	7	4.41	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgtd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-33. Seasonally Adjusted Consumer Only Homegrown Intake (g/kg-day)

Population Group	Percent Consuming	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
<u>Total Vegetables</u>											
Northeast	16.50	1.16E-03	1.59E-02	3.56E-02	1.99E-01	4.55E-01	1.37E+00	3.32E+00	5.70E+00	8.78E+00	1.01E+01
Midwest	33.25	3.69E-03	4.11E-02	8.26E-02	2.91E-01	8.11E-01	1.96E+00	4.40E+00	7.41E+00	1.31E+00	2.01E+01
South	24.00	4.78E-03	3.24E-02	5.58E-02	2.05E-01	6.10E-01	1.86E+00	3.95E+00	5.63E+00	1.20E+01	1.62E+01
West	23.75	1.80E-03	1.91E-02	3.83E-02	1.14E-01	4.92E-01	1.46E+00	2.99E+00	5.04E+00	8.91E+00	1.12E+01
All Regions	24.60	5.00E-03	2.90E-02	5.90E-02	2.19E-01	6.38E-01	1.80E+00	4.00E+00	6.08E+00	1.17E+01	2.01E+01
<u>Total Fruit</u>											
Northeast	3.50	3.96E-03	1.97E-02	4.76E-02	1.73E-01	3.61E-01	6.55E-01	1.48E+00	3.00E+00	5.10E+00	5.63E+00
Midwest	12.75	1.22E-03	7.01E-03	1.46E-02	1.36E-01	7.87E-01	2.98E+00	5.79E+00	9.52E+00	2.22E+01	2.71E+01
South	8.00	6.13E-03	3.23E-02	1.09E-01	3.84E-01	9.47E-01	2.10E+00	6.70E+00	1.02E+01	1.49E+01	1.64E+01
West	17.75	5.50E-04	5.66E-02	8.82E-02	2.87E-01	6.88E-01	1.81E+00	4.75E+00	8.54E+00	1.45E+01	1.84E+01
All Regions	10.10	2.00E-03	1.90E-02	6.20E-02	2.50E-01	7.52E-01	2.35E+00	5.61E+00	9.12E+00	1.76E+01	2.71E+01
<u>Total Meat</u>											
Northeast	6.25	3.78E-03	3.01E-02	7.94E-02	1.25E-01	2.11E-01	7.00E-01	1.56E+00	1.91E+00	4.09E+00	4.80E+00
Midwest	9.25	1.77E-03	3.68E-02	2.21E-01	5.25E-02	1.61E+00	3.41E+00	5.25E+00	7.45E+00	1.19E+01	1.36E+01
South	5.75	6.12E-03	2.88E-02	5.02E-02	1.86E-01	5.30E-01	1.84E+00	3.78E+00	4.95E+00	8.45E+00	9.45E+00
West	9.50	7.24E-04	2.83E-02	9.56E-02	2.35E-01	5.64E-01	1.30E+00	2.29E+00	3.38E+00	7.20E+00	9.10E+00
All Regions	7.40	3.20E-03	3.90E-02	9.20E-02	2.20E-01	6.55E-01	1.96E+00	4.05E+00	5.17E+00	9.40E+00	1.36E+01



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-34. Consumer Only Intake of Homegrown Apples (g/kg-day)															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	5306000	272	2.82	1.19E+00	7.58E-02	8.34E-02	2.30E-01	2.84E-01	4.50E-01	8.17E-01	1.47E+00	2.38E+00	3.40E+00	5.42E+00	1.01E+01
Age															
01-02	199000	12	3.49	*	*	*	*	*	*	*	*	*	*	*	*
03-05	291000	16	3.59	*	*	*	*	*	*	*	*	*	*	*	*
06-11	402000	25	2.41	1.28E+00	1.88E-01	4.72E-01	4.72E-01	5.63E-01	7.40E-01	9.56E-01	1.29E+00	2.98E+00	4.00E+00	4.00E+00	4.00E+00
12-19	296000	12	1.44	*	*	*	*	*	*	*	*	*	*	*	*
20-39	1268000	61	2.06	7.95E-01	1.07E-01	1.85E-01	2.30E-01	2.56E-01	3.04E-01	6.02E-01	9.22E-01	1.55E+00	1.97E+00	5.42E+00	5.42E+00
40-69	1719000	90	3.03	9.61E-01	1.37E-01	5.57E-02	8.94E-02	2.55E-01	3.98E-01	6.48E-01	1.08E+00	1.59E+00	2.38E+00	9.83E+00	9.83E+00
70 +	1061000	52	6.68	1.45E+00	1.41E-01	1.99E-01	2.60E-01	4.46E-01	6.27E-01	1.18E+00	1.82E+00	3.40E+00	3.62E+00	4.20E+00	4.20E+00
Season															
Fall	1707000	60	3.58	1.28E+00	1.24E-01	2.56E-01	2.95E-01	3.20E-01	5.83E-01	1.03E+00	1.66E+00	2.69E+00	3.40E+00	4.25E+00	4.25E+00
Spring	639000	74	1.38	9.50E-01	1.14E-01	1.94E-01	2.38E-01	2.84E-01	3.76E-01	5.67E-01	1.10E+00	2.00E+00	2.78E+00	5.87E+00	5.87E+00
Summer	1935000	68	4.25	1.12E+00	1.69E-01	5.57E-02	8.94E-02	1.86E-01	3.98E-01	6.92E-01	1.41E+00	2.29E+00	2.98E+00	9.83E+00	9.83E+00
Winter	1025000	70	2.10	1.30E+00	1.78E-01	1.85E-01	2.30E-01	3.23E-01	5.71E-01	8.81E-01	1.59E+00	2.75E+00	3.40E+00	1.01E+01	1.01E+01
Urbanization															
Central City	912000	30	1.62	1.24E+00	2.60E-01	2.31E-01	2.56E-01	3.92E-01	5.10E-01	9.17E-01	1.59E+00	2.19E+00	2.26E+00	1.01E+01	1.01E+01
Nonmetropolitan	2118000	122	4.70	1.27E+00	1.26E-01	5.57E-02	1.18E-01	2.49E-01	4.11E-01	9.00E-01	1.55E+00	2.92E+00	3.48E+00	9.83E+00	9.83E+00
Suburban	2276000	120	2.63	1.09E+00	9.16E-02	1.86E-01	2.37E-01	2.91E-01	4.37E-01	7.74E-01	1.29E+00	2.29E+00	3.40E+00	5.42E+00	5.42E+00
Race															
Black	84000	4	0.39	*	*	*	*	*	*	*	*	*	*	*	*
White	5222000	268	3.31	1.18E+00	7.67E-02	8.34E-02	2.30E-01	2.79E-01	4.48E-01	7.98E-01	1.41E+00	2.38E+00	3.40E+00	5.42E+00	1.01E+01
Region															
Midwest	2044000	123	4.41	1.38E+00	1.45E-01	2.16E-01	2.85E-01	3.04E-01	5.20E-01	9.23E-01	1.61E+00	2.69E+00	3.40E+00	9.83E+00	1.01E+01
Northeast	442000	18	1.07	*	*	*	*	*	*	*	*	*	*	*	*
South	1310000	65	2.04	1.10E+00	1.07E-01	1.99E-01	2.38E-01	3.01E-01	4.39E-01	9.17E-01	1.38E+00	1.90E+00	2.98E+00	4.00E+00	4.91E+00
West	1510000	66	4.19	1.20E+00	1.29E-01	5.57E-02	1.86E-01	2.64E-01	4.72E-01	7.89E-01	1.82E+00	2.75E+00	3.62E+00	4.25E+00	4.25E+00
Response to Questionnaire															
Households who garden	4707000	246	6.91	1.21E+00	8.22E-02	1.27E-01	2.49E-01	2.95E-01	4.70E-01	8.17E-01	1.47E+00	2.38E+00	3.40E+00	5.87E+00	1.01E+01
Households who farm	1299000	68	17.72	1.39E+00	1.31E-01	5.57E-02	3.57E-01	5.36E-01	7.03E-01	9.56E-01	1.58E+00	2.99E+00	4.00E+00	4.91E+00	5.87E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-35. Consumer Only Intake of Homegrown Asparagus (g/kg-day)															
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	763000	66	0.41	5.59E-01	5.12E-02	1.00E-01	1.41E-01	1.91E-01	2.75E-01	4.00E-01	7.07E-01	1.12E+00	1.63E+00	1.97E+00	1.97E+00
Age															
01-02	8000	1	0.14	*	*	*	*	*	*	*	*	*	*	*	*
03-05	25000	3	0.31	*	*	*	*	*	*	*	*	*	*	*	*
06-11	31000	3	0.19	*	*	*	*	*	*	*	*	*	*	*	*
12-19	70000	5	0.34	*	*	*	*	*	*	*	*	*	*	*	*
20-39	144000	11	0.23	*	*	*	*	*	*	*	*	*	*	*	*
40-69	430000	38	0.76	4.65E-01	5.38E-02	1.10E-01	1.13E-01	1.81E-01	2.34E-01	4.00E-01	5.96E-01	8.84E-01	1.24E+00	1.75E+00	1.75E+00
70 +	55000	5	0.35	*	*	*	*	*	*	*	*	*	*	*	*
Season															
Fall	62000	2	0.13	*	*	*	*	*	*	*	*	*	*	*	*
Spring	608000	59	1.32	6.12E-01	5.75E-02	1.00E-01	1.57E-01	1.91E-01	2.98E-01	4.46E-01	8.84E-01	1.18E+00	1.63E+00	1.97E+00	1.97E+00
Summer	0	0	0.00												
Winter	93000	5	0.19	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization															
Central City	190000	9	0.34	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	215000	27	0.48	7.59E-01	1.19E-01	1.00E-01	1.13E-01	1.41E-01	2.30E-01	5.43E-01	1.24E+00	1.75E+00	1.92E+00	1.97E+00	1.97E+00
Suburban	358000	30	0.41	4.27E-01	4.05E-02	1.10E-01	1.69E-01	1.81E-01	2.75E-01	3.65E-01	5.79E-01	7.01E-01	9.31E-01	1.12E+00	1.12E+00
Race															
Black	0	0	0.00												
White	763000	66	0.48	5.59E-01	5.12E-02	1.00E-01	1.41E-01	1.91E-01	2.75E-01	4.00E-01	7.07E-01	1.12E+00	1.63E+00	1.97E+00	1.97E+00
Region															
Midwest	368000	33	0.79	4.78E-01	6.49E-02	1.00E-01	1.10E-01	1.41E-01	2.28E-01	4.00E-01	6.14E-01	9.31E-01	1.12E+00	1.97E+00	1.97E+00
Northeast	270000	20	0.66	7.17E-01	9.99E-02	1.81E-01	2.34E-01	2.34E-01	3.65E-01	5.96E-01	9.29E-01	1.24E+00	1.63E+00	1.92E+00	1.92E+00
South	95000	9	0.15	*	*	*	*	*	*	*	*	*	*	*	*
West	30000	4	0.08	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire															
Households who garden	669000	59	0.98	5.33E-01	5.50E-02	1.00E-01	1.41E-01	1.81E-01	2.75E-01	4.00E-01	6.99E-01	1.12E+00	1.63E+00	1.97E+00	1.97E+00
Households who farm	157000	16	2.14	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-36. Consumer Only Intake of Home Produced Beef (g/kg-day)															
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	4958000	304	2.64	2.45E+00	1.49E-01	1.83E-01	3.74E-01	4.65E-01	8.78E-01	1.61E+00	3.07E+00	5.29E+00	7.24E+00	1.33E+01	1.94E+01
Age															
01-02	110000	8	1.93	*	*	*	*	*	*	*	*	*	*	*	*
03-05	234000	13	2.89	*	*	*	*	*	*	*	*	*	*	*	*
06-11	695000	38	4.16	3.77E+00	5.94E-01	3.54E-01	6.63E-01	7.53E-01	1.32E+00	2.11E+00	4.43E+00	1.14E+01	1.25E+01	1.33E+01	1.33E+01
12-19	656000	41	3.20	1.72E+00	1.63E-01	3.78E-01	4.78E-01	5.13E-01	8.96E-01	1.51E+00	2.44E+00	3.53E+00	3.57E+00	4.28E+00	4.28E+00
20-39	1495000	83	2.43	2.06E+00	2.00E-01	2.69E-01	3.52E-01	3.94E-01	6.80E-01	1.59E+00	2.73E+00	4.88E+00	6.50E+00	8.26E+00	8.26E+00
40-69	1490000	105	2.63	1.84E+00	1.41E-01	1.83E-01	3.61E-01	4.55E-01	8.33E-01	1.52E+00	2.38E+00	4.10E+00	5.39E+00	5.90E+00	5.90E+00
70 +	188000	11	1.18	*	*	*	*	*	*	*	*	*	*	*	*
Season															
Fall	1404000	55	2.95	1.55E+00	1.74E-01	1.83E-01	3.52E-01	3.61E-01	5.17E-01	1.33E+00	2.01E+00	2.86E+00	3.90E+00	7.24E+00	7.24E+00
Spring	911000	108	1.97	2.32E+00	1.63E-01	2.70E-01	3.90E-01	5.10E-01	1.04E+00	1.96E+00	3.29E+00	4.22E+00	5.23E+00	8.62E+00	9.28E+00
Summer	1755000	69	3.86	3.48E+00	4.12E-01	1.02E-01	6.08E-01	7.45E-01	1.02E+00	2.44E+00	4.43E+00	7.51E+00	1.14E+01	1.87E+01	1.87E+01
Winter	888000	72	1.82	1.95E+00	2.75E-01	3.93E-02	3.75E-01	3.94E-01	6.74E-01	1.33E+00	2.14E+00	4.23E+00	5.39E+00	1.94E+01	1.94E+01
Urbanization															
Central City	100000	5	0.18	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	3070000	194	6.82	2.80E+00	2.18E-01	1.83E-01	3.77E-01	4.99E-01	8.64E-01	1.81E+00	3.57E+00	6.03E+00	8.44E+00	1.87E+01	1.94E+01
Suburban	1788000	105	2.07	1.93E+00	1.50E-01	2.67E-01	3.75E-01	4.16E-01	9.07E-01	1.52E+00	2.44E+00	4.06E+00	5.10E+00	7.51E+00	9.28E+00
Race															
Black	0	0	0.00												
White	4950000	303	3.14	2.45E+00	1.50E-01	1.83E-01	3.74E-01	4.65E-01	8.78E-01	1.61E+00	3.07E+00	5.29E+00	7.24E+00	1.33E+01	1.94E+01
Region															
Midwest	2261000	161	4.87	2.83E+00	2.31E-01	1.83E-01	3.54E-01	4.16E-01	8.47E-01	2.01E+00	3.66E+00	5.90E+00	8.39E+00	1.87E+01	1.87E+01
Northeast	586000	25	1.42	1.44E+00	2.13E-01	3.52E-01	3.52E-01	4.73E-01	7.42E-01	1.06E+00	1.68E+00	2.62E+00	2.62E+00	6.03E+00	6.03E+00
South	1042000	61	1.62	2.45E+00	3.46E-01	1.02E-01	3.90E-01	5.84E-01	8.16E-01	1.59E+00	2.41E+00	6.36E+00	7.24E+00	1.33E+01	1.33E+01
West	1069000	57	2.96	2.20E+00	2.83E-01	3.13E-01	3.80E-01	5.56E-01	1.04E+00	1.60E+00	2.86E+00	4.06E+00	4.42E+00	7.51E+00	1.94E+01
Response to Questionnaire															
Households who raise animals	3699000	239	36.63	2.66E+00	1.60E-01	1.83E-01	3.88E-01	6.63E-01	1.04E+00	1.83E+00	3.48E+00	5.39E+00	7.51E+00	1.25E+01	1.94E+01
Households who farm	2850000	182	38.89	2.63E+00	1.96E-01	2.70E-01	3.94E-01	5.85E-01	8.96E-01	1.64E+00	3.25E+00	5.39E+00	7.51E+00	1.13E+01	1.94E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-37. Consumer Only Intake of Homegrown Beets (g/kg-day)

Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	2214000	125	1.18	5.12E-01	4.96E-02	3.21E-02	7.37E-02	1.09E-01	1.88E-01	3.97E-01	5.87E-01	1.03E+00	1.36E+00	3.69E+00	4.08E+00
<b>Age</b>															
01-02	27000	2	0.47	*	*	*	*	*	*	*	*	*	*	*	*
03-05	51000	4	0.63	*	*	*	*	*	*	*	*	*	*	*	*
06-11	167000	10	1.00	*	*	*	*	*	*	*	*	*	*	*	*
12-19	227000	13	1.11	*	*	*	*	*	*	*	*	*	*	*	*
20-39	383000	22	0.62	3.81E-01	6.26E-02	7.57E-02	7.57E-02	1.22E-01	1.43E-01	2.85E-01	5.56E-01	9.99E-01	9.99E-01	1.12E+00	1.12E+00
40-69	951000	51	1.68	4.28E-01	4.34E-02	5.00E-02	7.31E-02	7.46E-02	2.05E-01	3.97E-01	5.49E-01	9.25E-01	1.15E+00	1.40E+00	1.40E+00
70 +	408000	23	2.57	5.80E-01	8.80E-02	3.21E-02	3.21E-02	4.76E-02	2.71E-01	4.49E-01	9.09E-01	1.36E+00	1.36E+00	1.59E+00	1.59E+00
<b>Season</b>															
Fall	562000	21	1.18	5.45E-01	9.36E-02	3.21E-02	4.76E-02	5.00E-02	2.57E-01	3.56E-01	9.49E-01	1.36E+00	1.36E+00	1.40E+00	1.40E+00
Spring	558000	55	1.21	4.70E-01	8.98E-02	7.46E-02	8.06E-02	1.09E-01	1.43E-01	2.73E-01	4.47E-01	8.73E-01	1.59E+00	4.08E+00	4.08E+00
Summer	676000	22	1.49	3.85E-01	4.54E-02	7.57E-02	1.20E-01	1.22E-01	1.84E-01	3.97E-01	5.49E-01	6.24E-01	9.09E-01	9.09E-01	9.09E-01
Winter	418000	27	0.86	7.30E-01	1.54E-01	7.31E-02	7.31E-02	7.37E-02	2.80E-01	5.20E-01	8.28E-01	1.13E+00	2.32E+00	3.69E+00	3.69E+00
<b>Urbanization</b>															
Central City	651000	27	1.16	5.18E-01	1.15E-01	1.11E-01	1.35E-01	1.83E-01	2.57E-01	4.01E-01	5.49E-01	9.09E-01	1.12E+00	3.69E+00	3.69E+00
Nonmetropolitan	758000	51	1.68	5.77E-01	9.06E-02	5.00E-02	7.31E-02	7.37E-02	1.80E-01	3.86E-01	6.61E-01	1.36E+00	1.40E+00	4.08E+00	4.08E+00
Suburban	805000	47	0.93	4.45E-01	5.77E-02	3.21E-02	4.76E-02	8.06E-02	1.43E-01	3.97E-01	5.56E-01	9.25E-01	9.99E-01	2.32E+00	2.32E+00
<b>Race</b>															
Black	0	0	0.00												
White	2186000	124	1.39	5.18E-01	4.99E-02	3.21E-02	7.46E-02	1.13E-01	2.05E-01	3.97E-01	5.87E-01	1.03E+00	1.36E+00	3.69E+00	4.08E+00
<b>Region</b>															
Midwest	885000	53	1.91	6.30E-01	7.93E-02	5.00E-02	1.13E-01	1.83E-01	3.15E-01	4.54E-01	9.09E-01	1.15E+00	1.36E+00	3.69E+00	3.69E+00
Northeast	230000	13	0.56	*	*	*	*	*	*	*	*	*	*	*	*
South	545000	31	0.85	4.51E-01	1.17E-01	7.46E-02	7.57E-02	8.06E-02	1.80E-01	2.64E-01	4.84E-01	6.61E-01	9.44E-01	4.08E+00	4.08E+00
West	554000	28	1.54	3.96E-01	7.75E-02	3.21E-02	4.76E-02	7.31E-02	1.21E-01	2.86E-01	5.49E-01	6.24E-01	7.04E-01	2.32E+00	2.32E+00
<b>Response to Questionnaire</b>															
Households who garden	2107000	120	3.09	5.26E-01	5.16E-02	3.21E-02	7.37E-02	9.56E-02	2.05E-01	4.01E-01	6.06E-01	1.03E+00	1.36E+00	3.69E+00	4.08E+00
Households who farm	229000	11	3.12	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-38. Consumer Only Intake of Homegrown Broccoli (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	1745000	80	0.93	4.20E-01	4.75E-02	7.61E-02	8.24E-02	1.56E-01	1.96E-01	2.90E-01	4.59E-01	8.15E-01	9.74E-01	2.48E+00	3.02E+00	
Age																
01-02	0	0	0.00													
03-05	13000	1	0.16	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	187000	9	1.12	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	102000	4	0.50	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	486000	19	0.79	*	*	*	*	*	*	*	*	*	*	*	*	*
40-69	761000	37	1.34	4.12E-01	6.50E-02	8.24E-02	1.06E-01	1.64E-01	2.22E-01	3.51E-01	4.61E-01	6.14E-01	8.15E-01	3.02E+00	3.02E+00	
70 +	196000	10	1.23	*	*	*	*	*	*	*	*	*	*	*	*	*
Season																
Fall	624000	20	1.31	2.87E-01	3.70E-02	7.99E-02	7.99E-02	8.24E-02	1.75E-01	2.31E-01	3.79E-01	4.52E-01	5.29E-01	8.15E-01	8.15E-01	
Spring	258000	27	0.56	5.43E-01	1.18E-01	4.50E-02	1.54E-01	1.70E-01	2.65E-01	3.31E-01	5.89E-01	1.25E+00	2.37E+00	3.02E+00	3.02E+00	
Summer	682000	22	1.50	5.08E-01	1.05E-01	7.61E-02	1.29E-01	1.78E-01	2.15E-01	3.99E-01	6.61E-01	8.86E-01	9.74E-01	2.48E+00	2.48E+00	
Winter	181000	11	0.37	*	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization																
Central City	165000	5	0.29	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	647000	34	1.44	4.23E-01	4.21E-02	4.50E-02	1.29E-01	1.70E-01	2.23E-01	3.69E-01	5.89E-01	7.47E-01	8.86E-01	9.74E-01	9.74E-01	
Suburban	933000	41	1.08	4.29E-01	8.26E-02	7.99E-02	8.24E-02	1.44E-01	2.13E-01	2.44E-01	4.41E-01	6.84E-01	2.37E+00	2.48E+00	3.02E+00	
Race																
Black	0	0	0.00													
White	1719000	79	1.09	4.22E-01	4.81E-02	7.61E-02	8.24E-02	1.56E-01	1.96E-01	2.88E-01	4.59E-01	8.15E-01	9.74E-01	2.48E+00	3.02E+00	
Region																
Midwest	792000	38	1.71	2.63E-01	5.86E-02	7.61E-02	7.99E-02	8.24E-02	1.75E-01	2.13E-01	2.75E-01	3.44E-01	4.03E-01	3.02E+00	3.02E+00	
Northeast	427000	19	1.04	*	*	*	*	*	*	*	*	*	*	*	*	*
South	373000	16	0.58	*	*	*	*	*	*	*	*	*	*	*	*	*
West	153000	7	0.42	*	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire																
Households who garden	1729000	78	2.54	4.22E-01	4.83E-02	7.61E-02	8.24E-02	1.64E-01	1.96E-01	2.90E-01	4.59E-01	8.15E-01	9.74E-01	2.48E+00	3.02E+00	
Households who farm	599000	29	8.17	4.66E-01	8.37E-02	4.50E-02	7.61E-02	1.54E-01	1.95E-01	3.10E-01	6.61E-01	8.86E-01	9.74E-01	3.02E+00	3.02E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-39. Consumer Only Intake of Homegrown Cabbage (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	2019000	89	1.07	1.03E+00	1.00E-01	1.07E-01	2.03E-01	3.17E-01	4.21E-01	7.76E-01	1.33E+00	1.97E+00	2.35E+00	5.43E+00	5.43E+00	
Age																
01-02	14000	2	0.25	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	29000	1	0.36	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	61000	3	0.37	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	203000	9	0.99	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	391000	16	0.63	*	*	*	*	*	*	*	*	*	*	*	*	*
40-69	966000	44	1.70	1.14E+00	1.80E-01	2.17E-01	2.22E-01	3.25E-01	4.08E-01	7.13E-01	1.41E+00	1.82E+00	5.29E+00	5.43E+00	5.43E+00	
70 +	326000	13	2.05	*	*	*	*	*	*	*	*	*	*	*	*	*
Season																
Fall	570000	21	1.20	1.28E+00	3.24E-01	1.86E-01	1.86E-01	2.03E-01	3.85E-01	5.42E-01	1.49E+00	5.29E+00	5.43E+00	5.43E+00	5.43E+00	
Spring	126000	15	0.27	*	*	*	*	*	*	*	*	*	*	*	*	*
Summer	1142000	39	2.51	9.65E-01	9.35E-02	2.01E-01	2.22E-01	3.25E-01	5.55E-01	8.28E-01	1.24E+00	1.79E+00	2.35E+00	2.77E+00	2.77E+00	
Winter	181000	14	0.37	*	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization																
Central City	157000	5	0.28	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1079000	48	2.40	9.37E-01	8.83E-02	2.01E-01	3.17E-01	3.40E-01	4.54E-01	7.13E-01	1.33E+00	1.79E+00	2.35E+00	2.77E+00	2.77E+00	
Suburban	783000	36	0.90	1.26E+00	2.11E-01	3.20E-02	2.22E-01	3.25E-01	4.49E-01	1.05E+00	1.37E+00	2.17E+00	5.29E+00	5.43E+00	5.43E+00	
Race																
Black	7000	1	0.03	*	*	*	*	*	*	*	*	*	*	*	*	*
White	1867000	83	1.19	1.05E+00	1.07E-01	1.07E-01	2.03E-01	2.46E-01	4.13E-01	7.88E-01	1.37E+00	1.97E+00	2.35E+00	5.43E+00	5.43E+00	
Region																
Midwest	884000	37	1.91	7.42E-01	7.35E-02	1.07E-01	1.86E-01	2.22E-01	3.55E-01	5.95E-01	1.10E+00	1.29E+00	1.49E+00	1.82E+00	1.98E+00	
Northeast	277000	11	0.67	*	*	*	*	*	*	*	*	*	*	*	*	*
South	616000	32	0.96	1.11E+00	1.34E-01	3.20E-02	2.01E-01	2.17E-01	4.49E-01	8.50E-01	1.79E+00	2.17E+00	2.35E+00	2.77E+00	2.77E+00	
West	242000	9	0.67	*	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire																
Households who garden	1921000	86	2.82	1.07E+00	1.03E-01	1.07E-01	2.03E-01	3.17E-01	4.54E-01	7.88E-01	1.37E+00	1.97E+00	2.35E+00	5.43E+00	5.43E+00	
Households who farm	546000	26	7.45	9.96E-01	1.15E-01	2.01E-01	2.06E-01	3.51E-01	5.87E-01	8.28E-01	1.37E+00	1.79E+00	2.35E+00	2.35E+00	2.35E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-40. Consumer Only Intake of Homegrown Carrots (g/kg-day)																	
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100		
Total	4322000	193	2.30	4.38E-01	4.29E-02	4.12E-02	6.35E-02	9.23E-02	1.79E-01	3.28E-01	5.25E-01	7.95E-01	1.08E+00	2.21E+00	7.79E+00		
Age																	
01-02	51000	4	0.89	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	53000	3	0.65	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	299000	14	1.79	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	389000	17	1.90	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	1043000	46	1.69	2.83E-01	3.46E-02	4.47E-02	5.02E-02	8.00E-02	1.20E-01	1.99E-01	4.09E-01	5.64E-01	7.56E-01	1.19E+00	1.19E+00		
40-69	1848000	82	3.26	4.25E-01	3.42E-02	3.90E-02	6.74E-02	1.23E-01	2.15E-01	3.67E-01	5.50E-01	7.76E-01	1.01E+00	1.53E+00	2.21E+00		
70 +	574000	24	3.61	4.44E-01	5.50E-02	7.39E-02	1.79E-01	1.96E-01	2.60E-01	3.70E-01	5.39E-01	9.64E-01	1.08E+00	1.08E+00	1.08E+00		
Season																	
Fall	1810000	66	3.80	4.61E-01	9.77E-02	9.09E-02	1.10E-01	1.20E-01	1.99E-01	3.08E-01	5.09E-01	7.76E-01	1.08E+00	1.71E+00	7.79E+00		
Spring	267000	28	0.58	5.55E-01	1.01E-01	1.39E-01	1.49E-01	2.02E-01	2.16E-01	3.92E-01	6.09E-01	9.94E-01	2.11E+00	2.94E+00	2.94E+00		
Summer	1544000	49	3.39	3.88E-01	3.95E-02	4.12E-02	5.02E-02	6.74E-02	1.64E-01	3.76E-01	5.13E-01	8.40E-01	9.64E-01	1.19E+00	1.19E+00		
Winter	701000	50	1.44	4.44E-01	7.44E-02	3.90E-02	4.34E-02	6.35E-02	1.56E-01	2.25E-01	6.40E-01	1.05E+00	1.53E+00	3.06E+00	3.06E+00		
Urbanization																	
Central City	963000	29	1.71	2.82E-01	3.86E-02	3.90E-02	6.35E-02	8.00E-02	1.63E-01	2.09E-01	3.85E-01	5.25E-01	5.88E-01	9.64E-01	9.64E-01		
Nonmetropolitan	1675000	94	3.72	5.18E-01	8.98E-02	4.12E-02	5.36E-02	6.81E-02	2.00E-01	3.28E-01	5.13E-01	9.55E-01	1.19E+00	7.79E+00	7.79E+00		
Suburban	1684000	70	1.94	4.48E-01	4.02E-02	6.74E-02	9.09E-02	1.16E-01	2.02E-01	3.77E-01	6.35E-01	7.95E-01	1.09E+00	1.71E+00	1.71E+00		
Race																	
Black	107000	7	0.49	*	*	*	*	*	*	*	*	*	*	*	*	*	*
White	3970000	178	2.52	4.13E-01	2.58E-02	4.34E-02	7.96E-02	1.11E-01	1.94E-01	3.33E-01	5.27E-01	7.76E-01	1.01E+00	1.59E+00	3.06E+00		
Region																	
Midwest	2001000	97	4.31	4.57E-01	3.99E-02	3.90E-02	8.00E-02	1.37E-01	2.00E-01	3.73E-01	5.39E-01	9.55E-01	1.10E+00	2.11E+00	3.06E+00		
Northeast	735000	29	1.79	4.05E-01	8.79E-02	4.12E-02	5.36E-02	6.15E-02	9.34E-02	1.49E-01	6.35E-01	1.09E+00	1.71E+00	2.21E+00	2.21E+00		
South	378000	20	0.59	6.27E-01	3.60E-01	4.47E-02	4.47E-02	5.02E-02	1.49E-01	2.72E-01	4.09E-01	5.02E-01	9.94E-01	7.79E+00	7.79E+00		
West	1208000	47	3.35	3.68E-01	3.24E-02	6.74E-02	9.11E-02	1.43E-01	1.90E-01	3.33E-01	4.59E-01	7.56E-01	8.40E-01	9.64E-01	9.64E-01		
Response to Questionnaire																	
Households who garden	4054000	182	5.95	4.04E-01	2.67E-02	4.12E-02	6.81E-02	9.34E-02	1.79E-01	3.28E-01	5.09E-01	7.62E-01	1.08E+00	1.71E+00	3.06E+00		
Households who farm	833000	40	11.37	3.60E-01	5.95E-02	9.09E-02	9.34E-02	1.10E-01	1.79E-01	2.28E-01	4.59E-01	6.19E-01	1.19E+00	2.11E+00	2.94E+00		

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA analyses of the 1987-88 NFCS



Table 13-41. Consumer Only Intake of Homegrown Corn (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	6891000	421	3.67	8.92E-01	6.48E-02	5.15E-02	1.22E-01	1.65E-01	2.44E-01	4.80E-01	9.07E-01	1.88E+00	3.37E+00	7.44E+00	9.23E+00	
Age																
01-02	205000	13	3.60	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	313000	24	3.86	1.25E+00	2.57E-01	3.25E-01	3.25E-01	4.00E-01	5.98E-01	1.00E+00	1.21E+00	1.67E+00	5.35E+00	5.35E+00	5.35E+00	
06-11	689000	43	4.12	9.32E-01	1.66E-01	1.10E-01	1.19E-01	1.89E-01	2.52E-01	5.13E-01	1.08E+00	3.13E+00	3.37E+00	4.52E+00	4.52E+00	
12-19	530000	32	2.59	5.92E-01	9.56E-02	9.87E-02	1.05E-01	1.35E-01	2.12E-01	3.43E-01	7.11E-01	1.55E+00	1.88E+00	1.88E+00	1.88E+00	
20-39	1913000	108	3.11	5.97E-01	6.00E-02	6.59E-02	1.41E-01	1.52E-01	2.08E-01	3.71E-01	7.08E-01	1.53E+00	2.04E+00	3.70E+00	3.70E+00	
40-69	2265000	142	3.99	8.64E-01	1.05E-01	1.13E-01	1.52E-01	1.66E-01	2.55E-01	5.16E-01	8.83E-01	1.42E+00	3.22E+00	7.44E+00	7.44E+00	
70 +	871000	53	5.48	9.43E-01	2.59E-01	3.91E-02	5.15E-02	1.05E-01	1.88E-01	3.64E-01	7.57E-01	1.34E+00	6.49E+00	9.23E+00	9.23E+00	
Season																
Fall	2458000	89	5.16	5.44E-01	8.37E-02	3.91E-02	1.05E-01	1.42E-01	1.88E-01	3.17E-01	5.46E-01	1.27E+00	1.42E+00	5.35E+00	5.69E+00	
Spring	1380000	160	2.99	6.35E-01	5.57E-02	1.42E-01	1.68E-01	1.93E-01	2.64E-01	4.48E-01	7.68E-01	1.21E+00	1.57E+00	5.15E+00	6.68E+00	
Summer	1777000	62	3.91	1.82E+00	2.62E-01	6.59E-02	1.78E-01	3.43E-01	6.44E-01	9.36E-01	2.13E+00	4.52E+00	6.84E+00	9.23E+00	9.23E+00	
Winter	1276000	110	2.62	5.45E-01	4.67E-02	1.14E-01	1.20E-01	1.49E-01	2.22E-01	4.05E-01	6.14E-01	1.16E+00	1.47E+00	2.04E+00	3.94E+00	
Urbanization																
Central City	748000	27	1.33	7.37E-01	1.41E-01	3.91E-02	3.91E-02	5.15E-02	1.77E-01	5.46E-01	9.29E-01	2.04E+00	2.23E+00	3.04E+00	3.04E+00	
Nonmetropolitan	4122000	268	9.16	9.63E-01	8.18E-02	7.40E-02	1.22E-01	1.66E-01	2.49E-01	5.31E-01	1.00E+00	2.13E+00	3.38E+00	7.44E+00	8.97E+00	
Suburban	2021000	126	2.33	8.04E-01	1.30E-01	1.05E-01	1.53E-01	1.66E-01	2.39E-01	3.96E-01	6.47E-01	1.34E+00	1.71E+00	9.23E+00	9.23E+00	
Race																
Black	188000	9	0.86	*	*	*	*	*	*	*	*	*	*	*	*	
White	6703000	412	4.26	8.87E-01	6.51E-02	5.15E-02	1.22E-01	1.63E-01	2.37E-01	4.80E-01	8.84E-01	1.88E+00	3.22E+00	7.44E+00	9.23E+00	
Region																
Midwest	2557000	188	5.51	9.34E-01	9.74E-02	3.91E-02	1.19E-01	1.68E-01	2.47E-01	4.56E-01	9.29E-01	2.28E+00	3.22E+00	6.84E+00	7.44E+00	
Northeast	586000	33	1.42	6.14E-01	8.42E-02	9.87E-02	1.66E-01	1.86E-01	2.44E-01	3.81E-01	8.83E-01	1.34E+00	1.71E+00	1.71E+00	1.71E+00	
South	2745000	153	4.27	8.73E-01	9.52E-02	7.40E-02	1.22E-01	1.66E-01	2.83E-01	5.61E-01	9.35E-01	1.55E+00	3.37E+00	5.69E+00	8.97E+00	
West	1003000	47	2.78	9.99E-01	2.77E-01	1.05E-01	1.47E-01	1.52E-01	1.77E-01	3.96E-01	7.45E-01	2.23E+00	6.49E+00	9.23E+00	9.23E+00	
Response to Questionnaire																
Households who garden	6233000	387	9.15	8.75E-01	6.30E-02	5.15E-02	1.35E-01	1.65E-01	2.44E-01	5.02E-01	9.14E-01	1.82E+00	3.13E+00	6.84E+00	9.23E+00	
Households who farm	1739000	114	23.73	1.20E+00	1.77E-01	3.91E-02	1.08E-01	1.66E-01	2.29E-01	3.81E-01	9.74E-01	3.37E+00	6.49E+00	9.23E+00	9.23E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distributions  
Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-42. Consumer Only Intake of Homegrown Cucumbers (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	3994000	141	2.12	1.02E+00	1.55E-01	3.08E-02	6.71E-02	1.08E-01	2.40E-01	5.40E-01	1.13E+00	2.11E+00	2.79E+00	1.34E+01	1.37E+01	
Age																
01-02	132000	5	2.32	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	107000	4	1.32	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	356000	12	2.13	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	254000	10	1.24	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	864000	29	1.40	5.04E-01	9.27E-02	3.08E-02	5.45E-02	6.31E-02	1.83E-01	3.09E-01	6.17E-01	1.35E+00	1.49E+00	2.12E+00	2.12E+00	
40-69	1882000	68	3.32	1.33E+00	3.01E-01	4.16E-02	7.46E-02	1.76E-01	3.93E-01	6.84E-01	1.29E+00	2.11E+00	3.27E+00	1.37E+01	1.37E+01	
70 +	399000	13	2.51	*	*	*	*	*	*	*	*	*	*	*	*	*
Season																
Fall	370000	12	0.78	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	197000	15	0.43	*	*	*	*	*	*	*	*	*	*	*	*	*
Summer	3427000	114	7.53	1.06E+00	1.83E-01	0.00E+00	7.46E-02	1.08E-01	2.42E-01	5.18E-01	1.13E+00	2.12E+00	2.79E+00	1.34E+01	1.37E+01	
Winter	0	0	0.00													
Urbanization																
Central City	640000	18	1.14	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1530000	64	3.40	1.74E+00	3.43E-01	1.01E-01	1.21E-01	1.90E-01	3.86E-01	1.06E+00	1.67E+00	3.09E+00	4.50E+00	1.37E+01	1.37E+01	
Suburban	1824000	59	2.11	6.71E-01	7.52E-02	0.00E+00	7.46E-02	1.62E-01	2.78E-01	4.99E-01	8.33E-01	1.34E+00	1.73E+00	3.27E+00	3.27E+00	
Race																
Black	86000	2	0.40	*	*	*	*	*	*	*	*	*	*	*	*	*
White	3724000	132	2.36	9.35E-01	1.62E-01	3.08E-02	6.31E-02	1.01E-01	2.22E-01	5.01E-01	1.03E+00	1.49E+00	2.40E+00	1.34E+01	1.37E+01	
Region																
Midwest	969000	31	2.09	1.00E+00	3.92E-01	3.08E-02	4.16E-02	5.45E-02	1.35E-01	4.53E-01	1.03E+00	2.35E+00	2.45E+00	1.34E+01	1.34E+01	
Northeast	689000	22	1.67	1.92E+00	6.78E-01	2.33E-01	2.78E-01	2.78E-01	4.75E-01	6.84E-01	1.53E+00	4.18E+00	1.17E+01	1.37E+01	1.37E+01	
South	1317000	54	2.05	8.85E-01	1.05E-01	0.00E+00	1.21E-01	1.83E-01	2.87E-01	7.53E-01	1.28E+00	1.73E+00	2.13E+00	4.50E+00	4.50E+00	
West	1019000	34	2.83	6.01E-01	1.06E-01	6.71E-02	7.46E-02	1.01E-01	2.09E-01	4.30E-01	7.01E-01	1.29E+00	2.11E+00	3.27E+00	3.27E+00	
Response to Questionnaire																
Households who garden	3465000	123	5.08	1.05E+00	1.75E-01	3.08E-02	6.71E-02	1.01E-01	2.78E-01	5.18E-01	1.13E+00	2.11E+00	2.79E+00	1.34E+01	1.37E+01	
Households who farm	710000	29	9.69	6.99E-01	1.07E-01	0.00E+00	0.00E+00	1.43E-01	1.88E-01	3.86E-01	1.27E+00	1.49E+00	1.71E+00	2.09E+00	2.09E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE:     SE = standard error

      P = percentile of the distribution

      Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-43. Consumer Only Intake of Home Produced Eggs (g/kg-day)

Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	2075000	124	1.10	7.31E-01	1.00E-01	7.16E-02	1.50E-01	1.75E-01	2.68E-01	4.66E-01	9.02E-01	1.36E+00	1.69E+00	6.58E+00	1.35E+01
<b>Age</b>															
01-02	21000	3	0.37	*	*	*	*	*	*	*	*	*	*	*	*
03-05	20000	2	0.25	*	*	*	*	*	*	*	*	*	*	*	*
06-11	170000	12	1.02	*	*	*	*	*	*	*	*	*	*	*	*
12-19	163000	14	0.80	*	*	*	*	*	*	*	*	*	*	*	*
20-39	474000	30	0.77	6.32E-01	9.23E-02	7.16E-02	7.16E-02	2.15E-01	3.00E-01	4.16E-01	8.14E-01	1.32E+00	1.93E+00	2.50E+00	2.50E+00
40-69	718000	43	1.27	5.91E-01	5.77E-02	1.37E-01	1.41E-01	1.52E-01	3.17E-01	5.14E-01	8.44E-01	1.30E+00	1.36E+00	1.38E+00	1.38E+00
70 +	489000	18	3.08	*	*	*	*	*	*	*	*	*	*	*	*
<b>Seasons</b>															
Fall	542000	18	1.14	*	*	*	*	*	*	*	*	*	*	*	*
Spring	460000	54	1.00	1.31E+00	2.88E-01	1.57E-01	3.25E-01	3.94E-01	5.02E-01	6.66E-01	1.31E+00	2.10E+00	3.26E+00	1.35E+01	1.35E+01
Summer	723000	26	1.59	4.96E-01	8.14E-02	7.16E-02	1.37E-01	1.41E-01	2.60E-01	3.32E-01	5.41E-01	1.36E+00	1.51E+00	1.65E+00	1.65E+00
Winter	350000	26	0.72	8.60E-01	9.50E-02	1.67E-01	1.75E-01	2.15E-01	4.03E-01	7.51E-01	1.17E+00	1.62E+00	1.93E+00	1.93E+00	1.93E+00
<b>Urbanization</b>															
Central City	251000	9	0.45	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1076000	65	2.39	7.34E-01	1.23E-01	7.16E-02	1.41E-01	1.67E-01	2.60E-01	4.74E-01	9.16E-01	1.34E+00	1.65E+00	6.58E+00	9.16E+00
Suburban	748000	50	0.86	8.54E-01	1.98E-01	1.37E-01	1.50E-01	2.06E-01	3.80E-01	5.88E-01	1.17E+00	1.36E+00	1.85E+00	1.35E+01	1.35E+01
<b>Race</b>															
Black	63000	9	0.29	*	*	*	*	*	*	*	*	*	*	*	*
White	2012000	115	1.28	7.41E-01	1.05E-01	7.16E-02	1.50E-01	1.75E-01	2.68E-01	4.82E-01	9.03E-01	1.36E+00	1.69E+00	6.58E+00	1.35E+01
<b>Region</b>															
Midwest	665000	37	1.43	7.93E-01	1.96E-01	7.16E-02	1.37E-01	1.41E-01	2.17E-01	3.39E-01	1.08E+00	1.51E+00	2.10E+00	9.16E+00	9.16E+00
Northeast	87000	7	0.21	*	*	*	*	*	*	*	*	*	*	*	*
South	823000	44	1.28	5.36E-01	6.46E-02	1.52E-01	1.77E-01	1.96E-01	2.60E-01	3.60E-01	5.99E-01	1.18E+00	1.62E+00	1.93E+00	1.93E+00
West	500000	36	1.39	9.21E-01	2.75E-01	1.67E-01	2.06E-01	2.08E-01	4.58E-01	6.66E-01	1.05E+00	1.36E+00	1.36E+00	1.35E+01	1.35E+01
<b>Response to Questionnaire</b>															
Households who raise animals	1824000	113	18.06	7.46E-01	1.11E-01	7.16E-02	1.50E-01	1.65E-01	2.56E-01	4.82E-01	9.02E-01	1.36E+00	1.85E+00	6.58E+00	1.35E+01
Households who farm	741000	44	10.11	8.98E-01	1.70E-01	1.52E-01	1.65E-01	1.77E-01	2.72E-01	6.66E-01	1.19E+00	1.65E+00	1.85E+00	6.58E+00	9.16E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-44. Consumer Only Intake of Home Produced Game (g/kg-day)															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	2707000	185	1.44	9.67E-01	6.14E-02	0.00E+00	1.17E-01	2.10E-01	3.97E-01	7.09E-01	1.22E+00	2.27E+00	2.67E+00	3.61E+00	4.59E+00
Age															
01-02	89000	8	1.56	*	*	*	*	*	*	*	*	*	*	*	*
03-05	94000	8	1.16	*	*	*	*	*	*	*	*	*	*	*	*
06-11	362000	28	2.17	1.09E+00	1.44E-01	1.16E-01	2.31E-01	4.28E-01	6.33E-01	7.61E-01	1.48E+00	2.67E+00	2.85E+00	2.90E+00	2.90E+00
12-19	462000	27	2.25	1.04E+00	1.39E-01	2.10E-01	2.10E-01	2.91E-01	6.30E-01	8.46E-01	1.22E+00	1.99E+00	3.13E+00	3.13E+00	3.13E+00
20-39	844000	59	1.37	8.24E-01	1.08E-01	1.04E-01	1.17E-01	1.88E-01	3.01E-01	6.31E-01	1.09E+00	1.57E+00	2.50E+00	4.59E+00	4.59E+00
40-69	694000	41	1.22	9.64E-01	1.40E-01	1.24E-01	1.72E-01	2.87E-01	3.42E-01	5.10E-01	1.41E+00	2.51E+00	3.19E+00	3.61E+00	3.61E+00
70 +	74000	7	0.47	*	*	*	*	*	*	*	*	*	*	*	*
Season															
Fall	876000	31	1.84	9.97E-01	1.56E-01	1.17E-01	1.48E-01	2.18E-01	4.28E-01	6.33E-01	1.19E+00	2.50E+00	3.13E+00	3.19E+00	3.19E+00
Spring	554000	68	1.20	9.06E-01	8.78E-02	0.00E+00	1.04E-01	1.72E-01	4.43E-01	7.46E-01	1.22E+00	1.75E+00	2.52E+00	3.61E+00	3.61E+00
Summer	273000	9	0.60	*	*	*	*	*	*	*	*	*	*	*	*
Winter	1004000	77	2.06	1.07E+00	1.05E-01	0.00E+00	0.00E+00	1.65E-01	3.88E-01	8.18E-01	1.52E+00	2.20E+00	2.67E+00	4.59E+00	4.59E+00
Urbanization															
Central City	506000	20	0.90	6.89E-01	1.27E-01	0.00E+00	0.00E+00	1.88E-01	2.77E-01	6.30E-01	7.74E-01	1.48E+00	1.99E+00	2.34E+00	2.34E+00
Nonmetropolitan	1259000	101	2.80	9.45E-01	8.91E-02	0.00E+00	1.17E-01	1.65E-01	3.20E-01	6.59E-01	1.19E+00	2.27E+00	3.05E+00	4.59E+00	4.59E+00
Suburban	942000	64	1.09	1.15E+00	1.04E-01	0.00E+00	2.56E-01	3.97E-01	5.21E-01	8.18E-01	1.52E+00	2.51E+00	2.85E+00	3.13E+00	3.61E+00
Race															
Black	0	0	0.00												
White	2605000	182	1.65	9.77E-01	6.30E-02	0.00E+00	1.17E-01	2.02E-01	3.76E-01	7.29E-01	1.38E+00	2.34E+00	2.85E+00	3.61E+00	4.59E+00
Region															
Midwest	1321000	97	2.85	8.83E-01	8.32E-02	0.00E+00	7.53E-02	2.18E-01	3.42E-01	6.12E-01	1.10E+00	1.99E+00	2.51E+00	4.59E+00	4.59E+00
Northeast	394000	20	0.96	1.13E+00	2.16E-01	2.87E-01	2.87E-01	3.21E-01	4.30E-01	7.74E-01	1.41E+00	3.13E+00	3.13E+00	3.61E+00	3.61E+00
South	609000	47	0.95	1.26E+00	1.29E-01	0.00E+00	1.17E-01	1.48E-01	6.32E-01	1.09E+00	1.93E+00	2.38E+00	3.19E+00	3.19E+00	3.19E+00
West	383000	21	1.06	6.28E-01	7.21E-02	1.24E-01	1.51E-01	1.88E-01	3.97E-01	6.33E-01	7.74E-01	1.12E+00	1.22E+00	1.52E+00	1.52E+00
Response to Questionnaire															
Households who hunt	2357000	158	11.66	1.04E+00	6.84E-02	0.00E+00	1.40E-01	2.77E-01	4.42E-01	7.46E-01	1.44E+00	2.38E+00	2.90E+00	3.61E+00	4.59E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-45. Consumer Only Intake of Home Produced Lettuce (g/kg-day)

Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1520000	80	0.81	3.87E-01	3.18E-02	0.00E+00	4.49E-02	9.43E-02	1.70E-01	2.84E-01	5.45E-01	8.36E-01	1.03E+00	1.05E+00	1.28E+00
Age															
01-02	54000	4	0.95	*	*	*	*	*	*	*	*	*	*	*	*
03-05	25000	2	0.31	*	*	*	*	*	*	*	*	*	*	*	*
06-11	173000	7	1.04	*	*	*	*	*	*	*	*	*	*	*	*
12-19	71000	3	0.35	*	*	*	*	*	*	*	*	*	*	*	*
20-39	379000	17	0.62	*	*	*	*	*	*	*	*	*	*	*	*
40-69	485000	26	0.86	4.84E-01	6.07E-02	1.15E-01	1.15E-01	1.24E-01	2.21E-01	4.91E-01	6.84E-01	8.86E-01	1.05E+00	1.28E+00	1.28E+00
70 +	317000	20	2.00	4.52E-01	7.17E-02	5.04E-02	6.71E-02	1.12E-01	2.23E-01	2.88E-01	5.68E-01	1.03E+00	1.03E+00	1.03E+00	1.03E+00
Season															
Fall	214000	8	0.45	*	*	*	*	*	*	*	*	*	*	*	*
Spring	352000	35	0.76	4.52E-01	4.86E-02	5.04E-02	6.71E-02	1.24E-01	1.99E-01	4.53E-01	5.79E-01	7.98E-01	9.94E-01	1.28E+00	1.28E+00
Summer	856000	30	1.88	3.02E-01	3.96E-02	1.98E-02	3.35E-02	4.93E-02	1.42E-01	2.30E-01	4.24E-01	5.98E-01	8.14E-01	8.86E-01	8.86E-01
Winter	98000	7	0.20	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization															
Central City	268000	8	0.48	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	566000	36	1.26	3.67E-01	4.78E-02	1.98E-02	3.35E-02	4.49E-02	1.23E-01	2.88E-01	5.45E-01	8.14E-01	8.86E-01	1.28E+00	1.28E+00
Suburban	686000	36	0.79	3.49E-01	4.32E-02	0.00E+00	9.43E-02	9.68E-02	1.53E-01	2.30E-01	4.91E-01	7.67E-01	9.94E-01	1.05E+00	1.05E+00
Race															
Black	51000	3	0.23	*	*	*	*	*	*	*	*	*	*	*	*
White	1434000	75	0.91	3.79E-01	3.33E-02	0.00E+00	4.49E-02	9.43E-02	1.56E-01	2.75E-01	5.45E-01	8.86E-01	1.03E+00	1.05E+00	1.28E+00
Region															
Midwest	630000	33	1.36	3.83E-01	5.54E-02	1.98E-02	3.35E-02	4.49E-02	1.56E-01	2.34E-01	5.68E-01	9.42E-01	1.03E+00	1.03E+00	1.03E+00
Northeast	336000	16	0.82	*	*	*	*	*	*	*	*	*	*	*	*
South	305000	20	0.47	3.52E-01	5.74E-02	0.00E+00	0.00E+00	1.27E-01	1.64E-01	2.75E-01	4.83E-01	5.79E-01	1.04E+00	1.28E+00	1.28E+00
West	249000	11	0.69	*	*	*	*	*	*	*	*	*	*	*	*
Responses to Questionnaire															
Households who garden	1506000	78	2.21	3.90E-01	3.22E-02	0.00E+00	4.49E-02	9.43E-02	1.74E-01	2.84E-01	5.45E-01	8.36E-01	1.03E+00	1.05E+00	1.28E+00
Households who farm	304000	18	4.15	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-46. Consumer Only Intake of Home Produced Lima Beans (g/kg-day)															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1917000	109	1.02	4.53E-01	4.11E-02	0.00E+00	9.19E-02	1.21E-01	1.88E-01	2.90E-01	5.45E-01	9.90E-01	1.69E+00	1.86E+00	1.91E+00
Age															
01-02	62000	3	1.09	*	*	*	*	*	*	*	*	*	*	*	*
03-05	35000	2	0.43	*	*	*	*	*	*	*	*	*	*	*	*
06-11	95000	7	0.57	*	*	*	*	*	*	*	*	*	*	*	*
12-19	108000	6	0.53	*	*	*	*	*	*	*	*	*	*	*	*
20-39	464000	20	0.75	3.84E-01	6.87E-02	3.23E-02	1.08E-01	1.30E-01	1.77E-01	2.34E-01	4.87E-01	9.37E-01	1.10E+00	1.10E+00	1.10E+00
40-69	757000	44	1.33	4.54E-01	6.30E-02	9.19E-02	1.06E-01	1.21E-01	2.04E-01	2.93E-01	5.60E-01	8.69E-01	1.71E+00	1.91E+00	1.91E+00
70 +	361000	25	2.27	5.23E-01	1.05E-01	8.20E-02	1.86E-01	1.88E-01	2.25E-01	2.86E-01	6.38E-01	1.86E+00	1.86E+00	1.86E+00	1.86E+00
Season															
Fall	375000	14	0.79	*	*	*	*	*	*	*	*	*	*	*	*
Spring	316000	39	0.68	4.19E-01	5.50E-02	8.20E-02	9.02E-02	1.31E-01	2.32E-01	3.06E-01	5.45E-01	7.48E-01	1.31E+00	1.91E+00	1.91E+00
Summer	883000	29	1.94	4.99E-01	9.68E-02	0.00E+00	9.43E-02	1.21E-01	1.72E-01	2.90E-01	4.87E-01	1.53E+00	1.71E+00	1.86E+00	1.86E+00
Winter	343000	27	0.70	5.27E-01	6.25E-02	0.00E+00	3.23E-02	1.08E-01	3.05E-01	5.39E-01	7.58E-01	8.61E-01	8.69E-01	1.69E+00	1.69E+00
Urbanization															
Central City	204000	8	0.36	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1075000	69	2.39	2.99E-01	3.22E-02	3.23E-02	9.43E-02	1.21E-01	1.71E-01	2.12E-01	3.20E-01	4.87E-01	7.69E-01	1.69E+00	1.91E+00
Suburban	638000	32	0.74	7.53E-01	9.60E-02	0.00E+00	8.20E-02	9.19E-02	3.20E-01	6.78E-01	9.90E-01	1.71E+00	1.86E+00	1.86E+00	1.86E+00
Race															
Black	213000	9	0.98	*	*	*	*	*	*	*	*	*	*	*	*
White	1704000	100	1.08	3.83E-01	3.27E-02	0.00E+00	9.19E-02	1.08E-01	1.77E-01	2.54E-01	4.87E-01	8.61E-01	9.90E-01	1.53E+00	1.91E+00
Region															
Midwest	588000	36	1.27	4.28E-01	6.17E-02	0.00E+00	0.00E+00	1.06E-01	2.53E-01	3.06E-01	4.15E-01	9.90E-01	1.53E+00	1.69E+00	1.69E+00
Northeast	68000	6	0.17	*	*	*	*	*	*	*	*	*	*	*	*
South	1261000	67	1.96	4.72E-01	5.62E-02	3.23E-02	1.03E-01	1.30E-01	1.77E-01	2.49E-01	6.34E-01	1.10E+00	1.71E+00	1.86E+00	1.91E+00
West	0	0	0.00												
Response to Questionnaire															
Households who garden	1610000	97	2.36	4.47E-01	4.49E-02	3.23E-02	9.43E-02	1.21E-01	1.77E-01	2.85E-01	5.26E-01	9.37E-01	1.71E+00	1.86E+00	1.91E+00
Households who farm	62000	6	0.85	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-47. Consumer Only Intake of Homegrown Okra (g/kg-day)																
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	1696000	82	0.90	3.91E-01	3.81E-02	0.00E+00	5.03E-02	9.59E-02	1.48E-01	2.99E-01	4.58E-01	7.81E-01	1.21E+00	1.53E+00	1.53E+00	
Age																
01-02	53000	2	0.93	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	68000	3	0.84	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	218000	11	1.30	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	194000	9	0.95	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	417000	18	0.68	*	*	*	*	*	*	*	*	*	*	*	*	*
40-69	587000	32	1.03	4.00E-01	4.73E-02	6.57E-02	1.11E-01	1.37E-01	2.47E-01	3.07E-01	4.62E-01	7.81E-01	1.14E+00	1.14E+00	1.14E+00	
70 +	130000	6	0.82	*	*	*	*	*	*	*	*	*	*	*	*	*
Season																
Fall	228000	9	0.48	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	236000	24	0.51	3.87E-01	6.22E-02	2.98E-02	4.58E-02	6.57E-02	1.10E-01	4.10E-01	5.95E-01	7.81E-01	9.99E-01	1.07E+00	1.07E+00	
Summer	1144000	41	2.52	3.86E-01	5.75E-02	0.00E+00	5.03E-02	9.59E-02	1.44E-01	2.99E-01	4.38E-01	1.15E+00	1.53E+00	1.53E+00	1.53E+00	
Winter	88000	8	0.18	*	*	*	*	*	*	*	*	*	*	*	*	*
Urbanization																
Central City	204000	6	0.36	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1043000	55	2.32	3.65E-01	4.99E-02	0.00E+00	2.69E-02	8.48E-02	1.48E-01	2.57E-01	4.38E-01	7.81E-01	1.53E+00	1.53E+00	1.53E+00	
Suburban	449000	21	0.52	5.14E-01	6.97E-02	6.57E-02	9.60E-02	1.11E-01	3.13E-01	4.62E-01	6.00E-01	1.14E+00	1.15E+00	1.15E+00	1.15E+00	
Race																
Black	236000	13	1.09	*	*	*	*	*	*	*	*	*	*	*	*	*
White	1419000	68	0.90	4.26E-01	4.40E-02	0.00E+00	6.57E-02	9.60E-02	1.76E-01	3.30E-01	5.23E-01	1.14E+00	1.21E+00	1.53E+00	1.53E+00	
Region																
Midwest	113000	7	0.24	*	*	*	*	*	*	*	*	*	*	*	*	*
Northeast																
South	1443000	70	2.24	3.73E-01	4.21E-02	0.00E+00	5.03E-02	8.48E-02	1.44E-01	2.59E-01	4.38E-01	7.47E-01	1.21E+00	1.53E+00	1.53E+00	
West	140000	5	0.39	*	*	*	*	*	*	*	*	*	*	*	*	*
Response to Questionnaire																
Households who garden	1564000	77	2.29	3.84E-01	4.05E-02	0.00E+00	5.03E-02	9.59E-02	1.48E-01	2.98E-01	4.52E-01	1.07E+00	1.21E+00	1.53E+00	1.53E+00	
Households who farm	233000	14	3.18	*	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-48. Consumer Only Intake of Homegrown Onions (g/kg-day)																
Population Group	Nc wgtd	Nc unwgtd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	6718000	370	3.57	2.96E-01	1.87E-02	3.68E-03	9.09E-03	2.90E-02	8.81E-02	2.06E-01	3.77E-01	6.09E-01	9.12E-01	1.49E+00	3.11E+00	
Age																
01-02	291000	17	5.11	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	178000	9	2.20	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	530000	31	3.17	3.03E-01	5.61E-02	9.80E-03	1.08E-02	2.76E-02	1.06E-01	2.28E-01	3.83E-01	6.09E-01	1.36E+00	1.36E+00	1.36E+00	
12-19	652000	37	3.18	2.11E-01	3.65E-02	5.14E-03	8.36E-03	8.58E-03	5.97E-02	1.42E-01	2.55E-01	5.74E-01	7.59E-01	9.12E-01	9.12E-01	
20-39	1566000	78	2.54	2.88E-01	3.40E-02	9.09E-03	3.80E-02	5.80E-02	9.40E-02	1.91E-01	3.04E-01	6.38E-01	9.35E-01	1.49E+00	1.49E+00	
40-69	2402000	143	4.23	2.50E-01	2.07E-02	3.03E-03	4.59E-03	1.11E-02	7.66E-02	1.72E-01	3.58E-01	5.52E-01	6.90E-01	1.11E+00	1.41E+00	
70 +	1038000	52	6.54	4.33E-01	8.86E-02	4.76E-03	6.68E-03	2.68E-02	1.35E-01	2.86E-01	4.61E-01	5.63E-01	2.68E+00	3.11E+00	3.11E+00	
Season																
Fall	1557000	59	3.27	3.75E-01	6.93E-02	3.68E-03	2.55E-02	5.80E-02	1.23E-01	2.55E-01	4.36E-01	6.03E-01	7.83E-01	3.11E+00	3.11E+00	
Spring	1434000	147	3.11	1.95E-01	1.96E-02	2.01E-03	5.47E-03	2.68E-02	5.73E-02	1.06E-01	2.59E-01	4.26E-01	5.23E-01	1.41E+00	1.77E+00	
Summer	2891000	101	6.36	3.06E-01	2.91E-02	8.58E-03	1.68E-02	4.22E-02	1.08E-01	2.28E-01	3.76E-01	6.90E-01	9.69E-01	1.49E+00	1.49E+00	
Winter	836000	63	1.72	2.88E-01	3.86E-02	3.03E-03	4.59E-03	5.04E-03	3.06E-02	1.99E-01	4.60E-01	6.42E-01	9.16E-01	1.36E+00	1.36E+00	
Urbanization																
Central City	890000	37	1.58	2.16E-01	2.85E-02	4.76E-03	1.02E-02	2.55E-02	6.60E-02	1.93E-01	2.96E-01	5.18E-01	5.63E-01	5.63E-01	5.63E-01	
Nonmetropolitan	2944000	177	6.54	3.24E-01	2.06E-02	8.12E-03	3.14E-02	6.75E-02	1.42E-01	2.55E-01	4.33E-01	6.30E-01	9.12E-01	1.49E+00	1.77E+00	
Suburban	2884000	156	3.33	2.92E-01	3.70E-02	3.03E-03	5.20E-03	1.10E-02	5.85E-02	1.30E-01	3.56E-01	6.35E-01	9.69E-01	3.11E+00	3.11E+00	
Race																
Black	253000	16	1.16	*	*	*	*	*	*	*	*	*	*	*	*	
White	6266000	345	3.98	3.08E-01	1.99E-02	3.57E-03	9.09E-03	3.06E-02	9.16E-02	2.24E-01	3.86E-01	6.18E-01	9.35E-01	1.77E+00	3.11E+00	
Region																
Midwest	2487000	143	5.36	2.70E-01	1.94E-02	4.25E-03	4.02E-02	5.73E-02	1.02E-01	2.24E-01	3.43E-01	5.63E-01	7.24E-01	1.34E+00	1.34E+00	
Northeast	876000	52	2.13	2.32E-01	4.43E-02	2.01E-03	3.73E-03	8.36E-03	1.08E-02	1.08E-01	3.53E-01	6.35E-01	1.05E+00	1.36E+00	1.41E+00	
South	1919000	107	2.98	3.32E-01	2.93E-02	4.79E-03	2.76E-02	3.70E-02	1.46E-01	2.51E-01	3.93E-01	6.90E-01	1.08E+00	1.49E+00	1.77E+00	
West	1436000	68	3.98	3.32E-01	6.90E-02	3.57E-03	6.68E-03	1.68E-02	5.68E-02	1.52E-01	3.86E-01	5.49E-01	9.69E-01	3.11E+00	3.11E+00	
Response to Questionnaire																
Households who garden	6441000	356	9.45	3.00E-01	1.93E-02	3.68E-03	9.09E-03	3.06E-02	9.11E-02	2.13E-01	3.81E-01	6.09E-01	9.16E-01	1.77E+00	3.11E+00	
Households who farm	1390000	81	18.97	3.75E-01	3.84E-02	3.00E-02	4.04E-02	5.15E-02	1.11E-01	2.78E-01	5.15E-01	9.35E-01	1.11E+00	1.49E+00	1.49E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error  
P = percentile of the distributions

Nc wgtd = weighted number of consumers; Nc unwgtd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-49. Consumer Only Intake of Homegrown Other Berries (g/kg-day)

Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1626000	99	0.86	4.80E-01	4.24E-02	0.00E+00	4.68E-02	9.24E-02	2.32E-01	3.84E-01	5.89E-01	1.07E+00	1.28E+00	2.21E+00	2.21E+00
<b>Age</b>															
01-02	41000	2	0.72	*	*	*	*	*	*	*	*	*	*	*	*
03-05	53000	3	0.65	*	*	*	*	*	*	*	*	*	*	*	*
06-11	106000	10	0.63	*	*	*	*	*	*	*	*	*	*	*	*
12-19	79000	5	0.39	*	*	*	*	*	*	*	*	*	*	*	*
20-39	309000	20	0.50	3.90E-01	6.31E-02	7.95E-02	9.18E-02	9.18E-02	1.25E-01	3.30E-01	5.52E-01	7.94E-01	1.07E+00	1.07E+00	1.07E+00
40-69	871000	51	1.54	4.89E-01	5.72E-02	7.69E-02	1.01E-01	1.34E-01	2.48E-01	3.89E-01	6.12E-01	7.68E-01	1.28E+00	2.21E+00	2.21E+00
70 +	159000	7	1.00	*	*	*	*	*	*	*	*	*	*	*	*
<b>Season</b>															
Fall	379000	13	0.80	*	*	*	*	*	*	*	*	*	*	*	*
Spring	287000	29	0.62	3.06E-01	4.11E-02	4.68E-02	4.68E-02	7.69E-02	1.84E-01	2.54E-01	4.08E-01	5.40E-01	7.24E-01	1.07E+00	1.07E+00
Summer	502000	18	1.10	*	*	*	*	*	*	*	*	*	*	*	*
Winter	458000	39	0.94	5.35E-01	7.39E-02	0.00E+00	1.02E-01	1.59E-01	2.32E-01	3.89E-01	6.23E-01	1.07E+00	1.95E+00	2.08E+00	2.08E+00
<b>Urbanization</b>															
Central City	378000	15	0.67	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	466000	37	1.04	6.43E-01	8.96E-02	0.00E+00	9.24E-02	1.02E-01	2.51E-01	4.39E-01	1.02E+00	1.31E+00	2.21E+00	2.21E+00	2.21E+00
Suburban	722000	45	0.83	4.48E-01	5.32E-02	9.18E-02	1.25E-01	1.58E-01	2.58E-01	3.84E-01	5.35E-01	5.89E-01	9.02E-01	2.08E+00	2.08E+00
<b>Race</b>															
Black	76000	4	0.35	*	*	*	*	*	*	*	*	*	*	*	*
White	1490000	93	0.95	5.03E-01	4.43E-02	4.68E-02	9.18E-02	1.01E-01	2.51E-01	3.95E-01	6.04E-01	1.07E+00	1.31E+00	2.21E+00	2.21E+00
<b>Region</b>															
Midwest	736000	56	1.59	4.57E-01	6.26E-02	0.00E+00	7.69E-02	9.18E-02	1.25E-01	3.00E-01	5.87E-01	1.12E+00	1.28E+00	2.21E+00	2.21E+00
Northeast	211000	11	0.51	*	*	*	*	*	*	*	*	*	*	*	*
South	204000	12	0.32	*	*	*	*	*	*	*	*	*	*	*	*
West	415000	18	1.15	*	*	*	*	*	*	*	*	*	*	*	*
<b>Response to Questionnaire</b>															
Households who garden	1333000	84	1.96	4.72E-01	4.83E-02	1.00E-02	0.00E+00	9.18E-02	2.00E-01	3.53E-01	5.52E-01	1.07E+00	1.28E+00	2.21E+00	2.21E+00
Households who farm	219000	16	2.99	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-50. Consumer Only Intake of Homegrown Peaches (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	2941000	193	1.56	1.67E+00	1.70E-01	5.20E-02	1.65E-01	2.25E-01	4.74E-01	8.97E-01	1.88E+00	3.79E+00	6.36E+00	1.23E+01	2.23E+01	
Age																
01-02	103000	8	1.81	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	65000	6	0.80	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	329000	26	1.97	3.11E+00	6.32E-01	9.75E-02	1.01E-01	1.40E-01	6.25E-01	1.13E+00	6.36E+00	8.53E+00	8.53E+00	1.15E+01	1.15E+01	
12-19	177000	13	0.86	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	573000	35	0.93	1.17E+00	1.74E-01	5.07E-02	5.50E-02	2.25E-01	4.74E-01	8.09E-01	1.30E+00	2.92E+00	2.99E+00	5.27E+00	5.27E+00	
40-69	1076000	70	1.90	1.53E+00	2.83E-01	5.87E-02	1.90E-01	2.39E-01	5.56E-01	8.92E-01	1.61E+00	2.63E+00	4.43E+00	1.23E+01	1.23E+01	
70 +	598000	33	3.77	1.01E+00	1.97E-01	9.13E-02	1.38E-01	1.79E-01	2.82E-01	8.22E-01	1.19E+00	1.60E+00	3.79E+00	7.13E+00	7.13E+00	
Season																
Fall	485000	19	1.02	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	756000	91	1.64	1.67E+00	3.04E-01	5.07E-02	5.87E-02	1.01E-01	2.76E-01	7.74E-01	1.45E+00	4.44E+00	6.77E+00	2.23E+01	2.23E+01	
Summer	1081000	35	2.38	2.26E+00	4.78E-01	1.65E-01	2.25E-01	3.61E-01	5.67E-01	1.12E+00	2.99E+00	6.36E+00	8.53E+00	1.23E+01	1.23E+01	
Winter	619000	48	1.27	1.25E+00	1.03E-01	3.52E-02	2.39E-01	5.56E-01	7.79E-01	1.04E+00	1.71E+00	2.35E+00	2.60E+00	3.56E+00	3.56E+00	
Urbanization																
Central City	429000	12	0.76	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1110000	99	2.47	1.87E+00	2.59E-01	5.87E-02	2.62E-01	3.93E-01	6.46E-01	1.02E+00	2.18E+00	3.86E+00	6.36E+00	1.15E+01	2.23E+01	
Suburban	1402000	82	1.62	1.47E+00	1.75E-01	5.07E-02	1.40E-01	2.04E-01	4.61E-01	9.20E-01	1.87E+00	3.79E+00	4.43E+00	7.37E+00	7.37E+00	
Race																
Black	39000	1	0.18	*	*	*	*	*	*	*	*	*	*	*	*	*
White	2861000	191	1.82	1.70E+00	1.73E-01	5.20E-02	1.65E-01	2.30E-01	5.03E-01	8.97E-01	1.96E+00	3.79E+00	6.36E+00	1.23E+01	2.23E+01	
Region																
Midwest	824000	75	1.78	1.39E+00	2.91E-01	1.76E-01	2.20E-01	2.59E-01	4.60E-01	7.40E-01	1.19E+00	3.06E+00	3.56E+00	1.15E+01	2.23E+01	
Northeast	75000	5	0.18	*	*	*	*	*	*	*	*	*	*	*	*	*
South	852000	51	1.32	1.67E+00	2.57E-01	3.52E-02	1.38E-01	1.79E-01	6.43E-01	1.02E+00	1.96E+00	3.83E+00	6.36E+00	8.53E+00	8.53E+00	
West	1190000	62	3.30	1.80E+00	3.26E-01	5.07E-02	1.40E-01	2.25E-01	4.68E-01	8.63E-01	1.94E+00	4.43E+00	7.37E+00	1.23E+01	1.23E+01	
Response to Questionnaire																
Households who garden	2660000	174	3.90	1.75E+00	1.85E-01	5.20E-02	1.66E-01	2.59E-01	5.26E-01	9.25E-01	1.96E+00	3.79E+00	6.36E+00	1.23E+01	2.23E+01	
Households who farm	769000	54	10.49	1.56E+00	2.49E-01	6.79E-02	1.76E-01	2.26E-01	4.61E-01	9.02E-01	2.02E+00	2.99E+00	6.36E+00	8.53E+00	8.53E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-51. Consumer Only Intake of Homegrown Pears (g/kg-day)

Population Group	Nc wgtd	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1513000	94	0.80	9.37E-01	9.68E-02	1.01E-01	1.84E-01	2.38E-01	4.28E-01	6.82E-01	1.09E+00	1.60E+00	2.76E+00	5.16E+00	5.16E+00
<b>Age</b>															
01-02	24000	3	0.42	*	*	*	*	*	*	*	*	*	*	*	*
03-05	45000	3	0.56	*	*	*	*	*	*	*	*	*	*	*	*
06-11	145000	10	0.87	*	*	*	*	*	*	*	*	*	*	*	*
12-19	121000	7	0.59	*	*	*	*	*	*	*	*	*	*	*	*
20-39	365000	23	0.59	6.19E-01	6.42E-02	1.13E-01	3.18E-01	3.79E-01	4.28E-01	5.03E-01	6.82E-01	1.22E+00	1.24E+00	1.24E+00	1.24E+00
40-69	557000	33	0.98	6.57E-01	5.53E-02	1.01E-01	1.08E-01	3.33E-01	4.23E-01	6.45E-01	9.22E-01	1.10E+00	1.13E+00	1.51E+00	1.51E+00
70 +	256000	15	1.61	*	*	*	*	*	*	*	*	*	*	*	*
<b>Season</b>															
Fall	308000	11	0.65	*	*	*	*	*	*	*	*	*	*	*	*
Spring	355000	39	0.77	6.87E-01	7.89E-02	1.01E-01	1.13E-01	1.82E-01	3.38E-01	6.02E-01	8.66E-01	1.15E+00	1.83E+00	2.54E+00	2.54E+00
Summer	474000	16	1.04	*	*	*	*	*	*	*	*	*	*	*	*
Winter	376000	28	0.77	1.48E+00	2.77E-01	1.08E-01	1.08E-01	3.79E-01	6.45E-01	9.49E-01	1.38E+00	4.82E+00	5.16E+00	5.16E+00	5.16E+00
<b>Urbanization</b>															
Central City	222000	11	0.39	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	634000	44	1.41	7.81E-01	8.52E-02	3.33E-01	3.52E-01	4.19E-01	4.43E-01	5.70E-01	8.13E-01	1.56E+00	1.86E+00	2.88E+00	2.88E+00
Suburban	657000	39	0.76	8.50E-01	1.17E-01	1.01E-01	1.08E-01	1.82E-01	3.89E-01	7.29E-01	1.10E+00	1.50E+00	2.57E+00	4.79E+00	4.79E+00
<b>Race</b>															
Black	51000	3	0.23	*	*	*	*	*	*	*	*	*	*	*	*
White	1462000	91	0.93	9.65E-01	9.88E-02	1.08E-01	2.38E-01	3.52E-01	4.43E-01	7.01E-01	1.09E+00	1.60E+00	2.88E+00	5.16E+00	5.16E+00
<b>Region</b>															
Midwest	688000	57	1.48	8.71E-01	9.49E-02	2.22E-01	3.38E-01	3.76E-01	4.43E-01	6.45E-01	1.04E+00	1.60E+00	2.57E+00	4.79E+00	4.79E+00
Northeast	18000	2	0.04	*	*	*	*	*	*	*	*	*	*	*	*
South	377000	13	0.59	*	*	*	*	*	*	*	*	*	*	*	*
West	430000	22	1.19	1.14E+00	2.89E-01	1.01E-01	1.08E-01	1.13E-01	3.56E-01	7.52E-01	1.13E+00	2.76E+00	4.82E+00	5.16E+00	5.16E+00
<b>Response to Questionnaire</b>															
Households who garden	1312000	85	1.93	9.45E-01	1.04E-01	1.01E-01	1.82E-01	3.52E-01	4.31E-01	6.75E-01	1.09E+00	1.56E+00	2.88E+00	5.16E+00	5.16E+00
Households who farm	528000	35	7.20	1.09E+00	2.10E-01	1.08E-01	2.22E-01	3.76E-01	4.28E-01	6.14E-01	1.09E+00	2.76E+00	4.82E+00	5.16E+00	5.16E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-52. Consumer Only Intake of Homegrown Peas (g/kg-day)																
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	4252000	226	2.26	5.05E-01	3.23E-02	4.58E-02	1.02E-01	1.40E-01	2.28E-01	3.21E-01	6.22E-01	1.04E+00	1.46E+00	2.66E+00	2.89E+00	
Age																
01-02	163000	9	2.86	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	140000	7	1.73	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	515000	26	3.08	6.05E-01	8.91E-02	1.54E-01	1.54E-01	2.18E-01	3.04E-01	3.87E-01	9.00E-01	1.35E+00	1.40E+00	2.06E+00	2.06E+00	
12-19	377000	22	1.84	4.08E-01	4.28E-02	5.81E-02	1.33E-01	1.58E-01	2.35E-01	3.58E-01	5.02E-01	7.10E-01	8.22E-01	8.22E-01	8.22E-01	
20-39	1121000	52	1.82	4.08E-01	6.21E-02	9.96E-02	1.15E-01	1.40E-01	1.80E-01	2.54E-01	4.06E-01	8.47E-01	1.36E+00	2.71E+00	2.71E+00	
40-69	1366000	80	2.41	4.58E-01	4.61E-02	6.78E-02	1.02E-01	1.20E-01	2.26E-01	3.04E-01	6.10E-01	9.95E-01	1.30E+00	2.36E+00	2.36E+00	
70 +	458000	26	2.88	3.34E-01	5.58E-02	3.48E-02	3.48E-02	4.58E-02	1.84E-01	2.73E-01	3.72E-01	9.95E-01	9.95E-01	1.46E+00	1.46E+00	
Season																
Fall	1239000	41	2.60	3.03E-01	2.97E-02	3.48E-02	4.58E-02	1.15E-01	2.09E-01	2.62E-01	3.53E-01	5.99E-01	7.14E-01	9.95E-01	9.95E-01	
Spring	765000	78	1.66	4.38E-01	4.26E-02	5.81E-02	1.08E-01	1.18E-01	1.90E-01	3.26E-01	5.16E-01	9.19E-01	1.40E+00	2.06E+00	2.06E+00	
Summer	1516000	51	3.33	5.85E-01	7.36E-02	6.78E-02	1.27E-01	1.74E-01	2.24E-01	3.87E-01	8.22E-01	1.35E+00	1.60E+00	2.66E+00	2.66E+00	
Winter	732000	56	1.50	7.53E-01	8.86E-02	1.17E-01	1.84E-01	2.12E-01	2.73E-01	5.44E-01	9.48E-01	1.54E+00	2.36E+00	2.89E+00	2.89E+00	
Urbanization																
Central City	558000	19	0.99	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	2028000	126	4.50	4.81E-01	3.55E-02	8.42E-02	1.36E-01	1.74E-01	2.48E-01	3.53E-01	5.79E-01	1.04E+00	1.36E+00	1.89E+00	2.89E+00	
Suburban	1666000	81	1.92	5.13E-01	4.63E-02	6.78E-02	1.15E-01	1.34E-01	2.29E-01	3.87E-01	6.84E-01	9.95E-01	1.30E+00	2.28E+00	2.36E+00	
Race																
Black	355000	19	1.63	*	*	*	*	*	*	*	*	*	*	*	*	*
White	3784000	203	2.40	4.95E-01	3.35E-02	3.48E-02	1.02E-01	1.33E-01	2.18E-01	3.26E-01	6.00E-01	9.99E-01	1.40E+00	2.66E+00	2.89E+00	
Region																
Midwest	1004000	55	2.16	4.03E-01	7.24E-02	3.48E-02	4.58E-02	9.96E-02	1.40E-01	2.52E-01	3.53E-01	8.80E-01	1.54E+00	2.71E+00	2.89E+00	
Northeast	241000	14	0.59	*	*	*	*	*	*	*	*	*	*	*	*	*
South	2449000	132	3.81	5.67E-01	4.30E-02	1.27E-01	1.74E-01	1.96E-01	2.62E-01	3.72E-01	6.82E-01	1.24E+00	1.60E+00	2.66E+00	2.66E+00	
West	558000	25	1.55	3.77E-01	5.70E-02	6.78E-02	6.78E-02	1.02E-01	2.18E-01	2.73E-01	4.79E-01	9.00E-01	9.40E-01	1.40E+00	1.40E+00	
Response to Questionnaire																
Households who garden	3980000	214	5.84	5.13E-01	3.39E-02	3.48E-02	1.02E-01	1.40E-01	2.28E-01	3.21E-01	6.28E-01	1.04E+00	1.54E+00	2.66E+00	2.89E+00	
Households who farm	884000	55	12.06	4.59E-01	5.83E-02	3.48E-02	4.58E-02	8.65E-02	2.08E-01	3.53E-01	5.16E-01	9.00E-01	1.40E+00	1.60E+00	2.89E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-53. Consumer Only Intake of Homegrown Peppers (g/kg-day)															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	5153000	208	2.74												
Age															
01-02	163000	6	2.86	*	*	*	*	*	*	*	*	*	*	*	*
03-05	108000	5	1.33	*	*	*	*	*	*	*	*	*	*	*	*
06-11	578000	26	3.46	2.26E-01	4.09E-02	0.00E+00	0.00E+00	3.03E-02	8.99E-02	1.62E-01	2.98E-01	4.25E-01	7.70E-01	8.45E-01	8.45E-01
12-19	342000	16	1.67	*	*	*	*	*	*	*	*	*	*	*	*
20-39	1048000	40	1.70	2.24E-01	6.10E-02	1.74E-02	3.26E-02	5.66E-02	8.55E-02	1.19E-01	2.18E-01	3.97E-01	6.24E-01	2.48E+00	2.48E+00
40-69	2221000	88	3.92	2.50E-01	2.78E-02	5.32E-03	3.40E-02	4.52E-02	7.58E-02	1.66E-01	3.21E-01	4.77E-01	7.44E-01	1.50E+00	1.50E+00
70 +	646000	25	4.07	2.56E-01	6.22E-02	1.73E-02	2.15E-02	2.30E-02	7.47E-02	1.38E-01	2.39E-01	9.24E-01	9.39E-01	1.07E+00	1.07E+00
Season															
Fall	1726000	53	3.62	1.97E-01	2.51E-02	0.00E+00	3.26E-02	4.05E-02	8.55E-02	1.66E-01	2.39E-01	3.49E-01	3.97E-01	1.07E+00	1.07E+00
Spring	255000	28	0.55	2.95E-01	7.15E-02	0.00E+00	1.73E-02	3.86E-02	6.93E-02	1.47E-01	3.21E-01	1.09E+00	1.20E+00	1.53E+00	1.53E+00
Summer	2672000	94	5.87												
Winter	500000	33	1.03												
Urbanization															
Central City	865000	30	1.53	2.46E-01	4.23E-02	3.86E-02	5.66E-02	6.72E-02	1.10E-01	1.84E-01	2.73E-01	3.61E-01	9.39E-01	1.10E+00	1.10E+00
Nonmetropolitan	1982000	89	4.40	2.42E-01	3.93E-02	5.32E-03	2.22E-02	3.34E-02	6.93E-02	1.19E-01	2.72E-01	5.37E-01	7.70E-01	2.48E+00	2.48E+00
Suburban	2246000	87	2.59	2.47E-01	3.00E-02	0.00E+00	2.70E-02	3.50E-02	8.55E-02	1.60E-01	2.91E-01	4.90E-01	9.73E-01	1.50E+00	1.53E+00
Race															
Black	127000	6	0.58	*	*	*	*	*	*	*	*	*	*	*	*
White	4892000	198	3.11	2.47E-01	2.23E-02	1.74E-02	2.96E-02	4.05E-02	8.55E-02	1.54E-01	2.91E-01	4.90E-01	9.24E-01	1.81E+00	2.48E+00
Region															
Midwest	1790000	74	3.86	2.34E-01	4.06E-02	5.32E-03	2.22E-02	3.26E-02	5.98E-02	1.47E-01	2.57E-01	3.90E-01	8.45E-01	2.48E+00	2.48E+00
Northeast	786000	31	1.91												
South	1739000	72	2.70	2.30E-01	2.89E-02	3.34E-02	6.74E-02	7.60E-02	1.07E-01	1.66E-01	2.73E-01	4.25E-01	5.26E-01	1.81E+00	1.81E+00
West	778000	29	2.16	2.13E-01	5.04E-02	1.73E-02	2.30E-02	2.70E-02	4.05E-02	8.58E-02	2.53E-01	5.37E-01	9.24E-01	1.07E+00	1.07E+00
Response to Questionnaire															
Households who garden	4898000	199	7.19	2.35E-01	2.09E-02	0.00E+00	2.22E-02	3.40E-02	7.58E-02	1.54E-01	2.85E-01	4.77E-01	8.45E-01	1.50E+00	2.48E+00
Households who farm	867000	35	11.83	3.03E-01	7.50E-02	0.00E+00	2.70E-02	2.96E-02	7.11E-02	1.66E-01	3.55E-01	6.00E-01	8.45E-01	2.48E+00	2.48E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-54. Consumer Only Intake of Home Produced Pork (g/kg-day)																
Population Group	Nc wgtd	Nc unwgtd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	1732000	121	0.92	1.23E+00	9.63E-02	9.26E-02	1.40E-01	3.05E-01	5.41E-01	8.96E-01	1.71E+00	2.73E+00	3.37E+00	4.93E+00	7.41E+00	
Age																
01-02	38000	5	0.67	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	26000	3	0.32	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	129000	11	0.77	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	291000	20	1.42	1.28E+00	2.42E-01	3.05E-01	3.23E-01	3.37E-01	5.24E-01	8.85E-01	1.75E+00	3.69E+00	3.69E+00	4.29E+00	4.29E+00	
20-39	511000	32	0.83	1.21E+00	1.80E-01	1.11E-01	2.83E-01	4.09E-01	5.52E-01	7.89E-01	1.43E+00	2.90E+00	3.08E+00	4.93E+00	4.93E+00	
40-69	557000	38	0.98	1.02E+00	1.15E-01	1.19E-01	1.81E-01	2.22E-01	4.05E-01	8.11E-01	1.71E+00	1.78E+00	2.28E+00	3.16E+00	3.16E+00	
70 +	180000	12	1.13	*	*	*	*	*	*	*	*	*	*	*	*	*
Season																
Fall	362000	13	0.76	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	547000	59	1.19	1.13E+00	1.29E-01	1.11E-01	1.40E-01	2.22E-01	3.52E-01	8.96E-01	1.50E+00	2.68E+00	3.68E+00	4.29E+00	4.29E+00	
Summer	379000	15	0.83	*	*	*	*	*	*	*	*	*	*	*	*	*
Winter	444000	34	0.91	1.40E+00	2.39E-01	1.26E-01	2.58E-01	3.77E-01	5.03E-01	8.83E-01	2.21E+00	3.08E+00	4.93E+00	7.41E+00	7.41E+00	
Urbanization																
Central City	90000	2	0.16	*	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	1178000	77	2.62	1.39E+00	1.31E-01	9.26E-02	2.15E-01	4.05E-01	6.17E-01	9.66E-01	1.75E+00	3.16E+00	3.69E+00	4.93E+00	7.41E+00	
Suburban	464000	42	0.54	8.77E-01	1.20E-01	1.11E-01	1.19E-01	1.81E-01	3.31E-01	5.89E-01	1.10E+00	2.28E+00	2.73E+00	2.90E+00	2.90E+00	
Race																
Black	0	0	0.00													
White	1732000	121	1.10	1.23E+00	9.63E-02	9.26E-02	1.40E-01	3.05E-01	5.41E-01	8.96E-01	1.71E+00	2.73E+00	3.37E+00	4.93E+00	7.41E+00	
Region																
Midwest	844000	64	1.82	1.06E+00	1.19E-01	9.26E-02	1.19E-01	2.13E-01	5.02E-01	6.72E-01	1.20E+00	2.68E+00	3.37E+00	3.69E+00	3.73E+00	
Northeast	97000	5	0.24	*	*	*	*	*	*	*	*	*	*	*	*	*
South	554000	32	0.86	1.35E+00	1.46E-01	1.81E-01	2.58E-01	3.37E-01	8.11E-01	1.26E+00	1.75E+00	2.44E+00	3.08E+00	4.29E+00	4.29E+00	
West	237000	20	0.66	1.15E+00	3.09E-01	1.26E-01	3.23E-01	3.77E-01	4.40E-01	7.29E-01	1.10E+00	1.75E+00	2.73E+00	7.41E+00	7.41E+00	
Response to Questionnaire																
Households who raise animals	1428000	100	14.14	1.34E+00	9.86E-02	1.40E-01	3.23E-01	4.05E-01	5.89E-01	9.66E-01	1.75E+00	2.90E+00	3.37E+00	4.29E+00	4.93E+00	
Households who farm	1218000	82	16.62	1.30E+00	1.11E-01	2.15E-01	3.42E-01	4.08E-01	5.85E-01	9.24E-01	1.71E+00	3.08E+00	3.69E+00	4.93E+00	4.93E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE:      SE = standard error

             P = percentile of the distribution

             Nc wgtd = weighted number of consumers; Nc unwgtd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-55. Consumer Only Intake of Home Produced Poultry (g/kg-day)															
Population Group	Nc wgtd	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	1816000	105	0.97	1.57E+00	1.15E-01	1.95E-01	3.03E-01	4.18E-01	6.37E-01	1.23E+00	2.19E+00	3.17E+00	3.83E+00	5.33E+00	6.17E+00
Age															
01-02	91000	8	1.60	*	*	*	*	*	*	*	*	*	*	*	*
03-05	70000	5	0.86	*	*	*	*	*	*	*	*	*	*	*	*
06-11	205000	12	1.23	*	*	*	*	*	*	*	*	*	*	*	*
12-19	194000	12	0.95	*	*	*	*	*	*	*	*	*	*	*	*
20-39	574000	33	0.93	1.17E+00	1.47E-01	1.73E-01	4.02E-01	4.02E-01	5.57E-01	1.15E+00	1.37E+00	1.80E+00	2.93E+00	4.59E+00	4.59E+00
40-69	568000	30	1.00	1.51E+00	2.43E-01	1.95E-01	1.97E-01	3.03E-01	4.91E-01	7.74E-01	2.69E+00	3.29E+00	4.60E+00	5.15E+00	5.15E+00
70 +	80000	3	0.50	*	*	*	*	*	*	*	*	*	*	*	*
Season															
Fall	562000	23	1.18	1.52E+00	1.75E-01	4.07E-01	4.18E-01	4.60E-01	8.11E-01	1.39E+00	2.23E+00	2.69E+00	3.17E+00	3.17E+00	3.17E+00
Spring	374000	34	0.81	1.87E+00	2.79E-01	1.73E-01	2.28E-01	3.03E-01	5.22E-01	1.38E+00	3.29E+00	4.60E+00	5.15E+00	5.33E+00	5.33E+00
Summer	312000	11	0.69	*	*	*	*	*	*	*	*	*	*	*	*
Winter	568000	37	1.17	1.55E+00	2.00E-01	1.95E-01	1.97E-01	4.33E-01	5.95E-01	1.23E+00	2.18E+00	2.95E+00	3.47E+00	6.17E+00	6.17E+00
Urbanization															
Central City	230000	8	0.41	*	*	*	*	*	*	*	*	*	*	*	*
Nonmetropolitan	997000	56	2.21	1.48E+00	1.32E-01	1.95E-01	2.82E-01	4.07E-01	6.72E-01	1.19E+00	2.10E+00	3.17E+00	3.29E+00	3.86E+00	5.33E+00
Suburban	589000	41	0.68	1.94E+00	2.30E-01	2.28E-01	2.67E-01	4.33E-01	6.24E-01	1.59E+00	2.69E+00	4.59E+00	4.83E+00	6.17E+00	6.17E+00
Race															
Black	44000	2	0.20	*	*	*	*	*	*	*	*	*	*	*	*
White	1772000	103	1.12	1.57E+00	1.17E-01	1.95E-01	3.03E-01	4.18E-01	6.24E-01	1.23E+00	2.19E+00	3.17E+00	3.86E+00	5.33E+00	6.17E+00
Region															
Midwest	765000	41	1.65	1.60E+00	1.40E-01	4.07E-01	4.18E-01	5.57E-01	9.79E-01	1.39E+00	2.19E+00	2.70E+00	3.17E+00	3.86E+00	5.33E+00
Northeast	64000	4	0.16	*	*	*	*	*	*	*	*	*	*	*	*
South	654000	38	1.02	1.67E+00	2.50E-01	1.73E-01	1.97E-01	3.03E-01	4.60E-01	9.08E-01	2.11E+00	4.59E+00	4.83E+00	6.17E+00	6.17E+00
West	333000	22	0.92	1.24E+00	1.80E-01	2.67E-01	2.67E-01	4.27E-01	5.60E-01	1.02E+00	1.89E+00	2.45E+00	2.93E+00	2.93E+00	2.93E+00
Response to Questionnaire															
Households who raise animals	1333000	81	13.20	1.58E+00	1.18E-01	2.28E-01	4.07E-01	4.72E-01	7.09E-01	1.37E+00	2.19E+00	2.93E+00	3.29E+00	5.33E+00	6.17E+00
Households who farm	917000	59	12.51	1.54E+00	1.79E-01	1.95E-01	2.28E-01	3.03E-01	5.95E-01	1.06E+00	2.18E+00	3.47E+00	4.83E+00	6.17E+00	6.17E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-56. Consumer Only Intake of Homegrown Pumpkins (g/kg-day)

Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	2041000	87	1.09	7.78E-01	6.83E-02	1.25E-01	1.84E-01	2.41E-01	3.18E-01	5.55E-01	1.07E+00	1.47E+00	1.79E+00	3.02E+00	4.48E+00
<b>Age</b>															
01-02	73000	4	1.28	*	*	*	*	*	*	*	*	*	*	*	*
03-05	18000	2	0.22	*	*	*	*	*	*	*	*	*	*	*	*
06-11	229000	9	1.37	*	*	*	*	*	*	*	*	*	*	*	*
12-19	244000	10	1.19	*	*	*	*	*	*	*	*	*	*	*	*
20-39	657000	26	1.07	8.01E-01	1.29E-01	1.76E-01	1.84E-01	3.01E-01	3.77E-01	4.77E-01	1.03E+00	1.73E+00	2.67E+00	2.67E+00	2.67E+00
40-69	415000	20	0.73	8.22E-01	1.57E-01	2.86E-01	2.86E-01	3.16E-01	3.71E-01	5.23E-01	9.62E-01	1.47E+00	3.02E+00	3.02E+00	3.02E+00
70 +	373000	15	2.35	*	*	*	*	*	*	*	*	*	*	*	*
<b>Season</b>															
Fall	1345000	49	2.82	8.19E-01	8.91E-02	1.25E-01	1.76E-01	2.81E-01	3.71E-01	6.14E-01	1.17E+00	1.73E+00	1.79E+00	3.02E+00	3.02E+00
Spring	48000	6	0.10	*	*	*	*	*	*	*	*	*	*	*	*
Summer	405000	13	0.89	*	*	*	*	*	*	*	*	*	*	*	*
Winter	243000	19	0.50	*	*	*	*	*	*	*	*	*	*	*	*
<b>Urbanization</b>															
Central City	565000	20	1.00	6.29E-01	1.08E-01	1.84E-01	1.84E-01	2.41E-01	2.81E-01	3.77E-01	9.40E-01	1.24E+00	1.33E+00	2.24E+00	2.24E+00
Nonmetropolitan	863000	44	1.92	6.44E-01	9.64E-02	1.25E-01	1.65E-01	1.89E-01	3.10E-01	5.10E-01	6.65E-01	1.22E+00	1.45E+00	4.48E+00	4.48E+00
Suburban	613000	23	0.71	1.10E+00	1.34E-01	2.86E-01	2.88E-01	3.01E-01	4.67E-01	1.04E+00	1.47E+00	1.79E+00	2.67E+00	2.67E+00	2.67E+00
<b>Race</b>															
Black	22000	1	0.10	*	*	*	*	*	*	*	*	*	*	*	*
White	2019000	86	1.28	7.82E-01	6.90E-02	1.25E-01	1.84E-01	2.41E-01	3.16E-01	5.55E-01	1.10E+00	1.47E+00	1.79E+00	3.02E+00	4.48E+00
<b>Region</b>															
Midwest	1370000	54	2.95	8.21E-01	9.68E-02	1.25E-01	2.34E-01	2.41E-01	3.18E-01	5.72E-01	1.04E+00	1.73E+00	2.67E+00	3.02E+00	4.48E+00
Northeast	15000	1	0.04	*	*	*	*	*	*	*	*	*	*	*	*
South	179000	10	0.28	*	*	*	*	*	*	*	*	*	*	*	*
West	477000	22	1.32	7.87E-01	9.65E-02	1.76E-01	1.89E-01	3.08E-01	3.71E-01	7.44E-01	1.17E+00	1.47E+00	1.51E+00	1.51E+00	1.51E+00
<b>Response to Questionnaire</b>															
Households who garden	1987000	85	2.92	7.70E-01	6.93E-02	1.25E-01	1.84E-01	2.41E-01	3.16E-01	5.55E-01	1.04E+00	1.46E+00	1.79E+00	3.02E+00	4.48E+00
Households who farm	449000	18	6.13	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-57. Consumer Only Intake of Homegrown Snap Beans (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	12308000	739	6.55	8.00E-01	3.02E-02	5.65E-02	1.49E-01	1.88E-01	3.38E-01	5.69E-01	1.04E+00	1.58E+00	2.01E+00	3.90E+00	9.96E+00	
Age																
01-02	246000	17	4.32	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	455000	32	5.62	1.49E+00	2.37E-01	0.00E+00	0.00E+00	3.49E-01	9.01E-01	1.16E+00	1.66E+00	3.20E+00	4.88E+00	6.90E+00	6.90E+00	
06-11	862000	62	5.16	8.97E-01	1.15E-01	0.00E+00	1.99E-01	2.21E-01	3.21E-01	6.42E-01	1.21E+00	1.79E+00	2.75E+00	4.81E+00	5.66E+00	
12-19	1151000	69	5.62	6.38E-01	6.10E-02	0.00E+00	1.61E-01	2.22E-01	3.20E-01	5.04E-01	8.11E-01	1.34E+00	1.79E+00	2.72E+00	2.72E+00	
20-39	2677000	160	4.35	6.13E-01	4.09E-02	7.05E-02	1.31E-01	1.57E-01	2.60E-01	4.96E-01	7.85E-01	1.24E+00	1.64E+00	2.05E+00	4.26E+00	
40-69	4987000	292	8.79	7.19E-01	3.20E-02	9.99E-02	1.61E-01	2.28E-01	3.62E-01	5.61E-01	8.59E-01	1.45E+00	1.77E+00	2.70E+00	4.23E+00	
70 +	1801000	100	11.34	9.15E-01	1.16E-01	5.65E-02	7.44E-02	1.51E-01	3.69E-01	6.38E-01	1.22E+00	1.70E+00	2.01E+00	9.96E+00	9.96E+00	
Season																
Fall	3813000	137	8.00	8.12E-01	8.19E-02	5.65E-02	1.50E-01	1.83E-01	2.72E-01	5.39E-01	1.18E+00	1.52E+00	2.01E+00	4.82E+00	9.96E+00	
Spring	2706000	288	5.86	9.00E-01	5.44E-02	2.93E-02	1.51E-01	2.19E-01	3.70E-01	5.91E-01	1.11E+00	1.72E+00	2.85E+00	5.66E+00	6.90E+00	
Summer	2946000	98	6.48	6.33E-01	4.81E-02	0.00E+00	1.18E-01	1.57E-01	3.31E-01	5.04E-01	8.50E-01	1.30E+00	1.70E+00	2.05E+00	2.63E+00	
Winter	2843000	216	5.84	8.64E-01	5.28E-02	1.14E-01	1.80E-01	2.44E-01	4.24E-01	6.20E-01	1.12E+00	1.72E+00	2.02E+00	3.85E+00	7.88E+00	
Urbanization																
Central City	2205000	78	3.91	5.97E-01	5.59E-02	5.65E-02	7.44E-02	1.59E-01	2.56E-01	5.12E-01	7.12E-01	1.23E+00	1.54E+00	1.93E+00	3.35E+00	
Nonmetropolitan	5696000	404	12.65	9.61E-01	5.06E-02	9.35E-02	1.77E-01	2.29E-01	3.67E-01	6.75E-01	1.19E+00	1.89E+00	2.70E+00	4.88E+00	9.96E+00	
Suburban	4347000	255	5.02	7.04E-01	3.76E-02	9.67E-02	1.39E-01	1.88E-01	3.41E-01	5.20E-01	9.32E-01	1.36E+00	1.77E+00	2.98E+00	6.08E+00	
Race																
Black	634000	36	2.92	7.55E-01	1.43E-01	2.51E-01	2.51E-01	2.79E-01	2.99E-01	4.78E-01	1.04E+00	1.30E+00	1.34E+00	5.98E+00	5.98E+00	
White	11519000	694	7.31	8.10E-01	3.12E-02	7.05E-02	1.50E-01	1.89E-01	3.49E-01	5.73E-01	1.06E+00	1.63E+00	2.01E+00	3.90E+00	9.96E+00	
Region																
Midwest	4651000	307	10.02	8.60E-01	6.11E-02	7.44E-02	1.54E-01	1.89E-01	3.36E-01	5.50E-01	9.88E-01	1.70E+00	2.47E+00	4.88E+00	9.96E+00	
Northeast	990000	52	2.40	5.66E-01	6.63E-02	0.00E+00	9.66E-02	1.06E-01	1.81E-01	4.91E-01	8.15E-01	1.28E+00	1.36E+00	1.97E+00	3.09E+00	
South	4755000	286	7.39	8.82E-01	4.04E-02	1.33E-01	2.13E-01	2.51E-01	3.98E-01	6.75E-01	1.22E+00	1.72E+00	2.01E+00	3.23E+00	5.98E+00	
West	1852000	92	5.14	5.92E-01	4.35E-02	7.05E-02	1.43E-01	1.83E-01	2.72E-01	5.14E-01	7.41E-01	1.20E+00	1.52E+00	2.19E+00	2.19E+00	
Response to Questionnaire																
Households who garden	11843000	700	17.38	7.90E-01	3.08E-02	5.65E-02	1.49E-01	1.87E-01	3.31E-01	5.63E-01	1.02E+00	1.60E+00	2.01E+00	3.85E+00	9.96E+00	
Households who farm	2591000	157	35.35	7.95E-01	4.78E-02	5.65E-02	1.27E-01	1.89E-01	4.05E-01	6.59E-01	1.12E+00	1.54E+00	1.98E+00	2.96E+00	4.23E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-58. Consumer Only Intake of Homegrown Strawberries (g/kg-day)

Population Group	Nc wgtd	Nc unwgtd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	2057000	139	1.09	6.52E-01	5.15E-02	4.15E-02	8.16E-02	1.18E-01	2.55E-01	4.67E-01	8.20E-01	1.47E+00	1.77E+00	2.72E+00	4.83E+00
<b>Age</b>															
01-02	30000	2	0.53	*	*	*	*	*	*	*	*	*	*	*	*
03-05	66000	6	0.81	*	*	*	*	*	*	*	*	*	*	*	*
06-11	153000	15	0.92	*	*	*	*	*	*	*	*	*	*	*	*
12-19	201000	11	0.98	*	*	*	*	*	*	*	*	*	*	*	*
20-39	316000	22	0.51	3.21E-01	6.41E-02	7.92E-02	8.16E-02	1.05E-01	1.18E-01	2.05E-01	4.59E-01	8.20E-01	9.73E-01	1.56E+00	1.56E+00
40-69	833000	55	1.47	6.44E-01	6.37E-02	2.44E-02	6.53E-02	1.75E-01	3.55E-01	5.83E-01	9.41E-01	1.42E+00	1.47E+00	2.37E+00	2.37E+00
70 +	449000	27	2.83	6.36E-01	1.11E-01	4.15E-02	4.41E-02	8.64E-02	2.62E-01	4.69E-01	7.00E-01	1.66E+00	1.89E+00	2.72E+00	2.72E+00
<b>Season</b>															
Fall	250000	8	0.52	*	*	*	*	*	*	*	*	*	*	*	*
Spring	598000	66	1.30	8.30E-01	1.03E-01	7.92E-02	8.92E-02	1.80E-01	2.75E-01	4.69E-01	9.73E-01	1.93E+00	2.54E+00	4.83E+00	4.83E+00
Summer	388000	11	0.85	*	*	*	*	*	*	*	*	*	*	*	*
Winter	821000	54	1.69	5.13E-01	6.42E-02	2.44E-02	4.41E-02	1.05E-01	2.07E-01	3.86E-01	6.01E-01	1.27E+00	1.46E+00	2.37E+00	2.37E+00
<b>Urbanization</b>															
Central City	505000	23	0.90	7.54E-01	1.22E-01	4.15E-02	4.41E-02	8.92E-02	3.82E-01	4.88E-01	1.33E+00	1.47E+00	1.69E+00	2.37E+00	2.37E+00
Nonmetropolitan	664000	52	1.47	6.18E-01	1.05E-01	2.44E-02	6.53E-02	8.16E-02	1.25E-01	3.85E-01	8.14E-01	1.66E+00	2.16E+00	4.83E+00	4.83E+00
Suburban	888000	64	1.03	6.20E-01	5.88E-02	7.92E-02	1.81E-01	2.21E-01	3.45E-01	5.30E-01	6.96E-01	1.27E+00	1.56E+00	2.97E+00	2.97E+00
<b>Race</b>															
Black	0	0	0.00												
White	2057000	139	1.31	6.52E-01	5.15E-02	4.15E-02	8.16E-02	1.18E-01	2.55E-01	4.67E-01	8.20E-01	1.47E+00	1.77E+00	2.72E+00	4.83E+00
<b>Region</b>															
Midwest	1123000	76	2.42	6.85E-01	8.28E-02	2.44E-02	6.53E-02	8.16E-02	1.82E-01	4.16E-01	1.00E+00	1.66E+00	1.93E+00	2.97E+00	4.83E+00
Northeast	382000	25	0.93	6.35E-01	1.01E-01	8.92E-02	1.59E-01	1.82E-01	2.55E-01	4.67E-01	8.65E-01	1.46E+00	1.83E+00	2.16E+00	2.16E+00
South	333000	23	0.52	6.69E-01	8.41E-02	1.33E-01	2.05E-01	3.77E-01	5.15E-01	6.21E-01	6.96E-01	1.00E+00	1.00E+00	2.72E+00	2.72E+00
West	219000	15	0.61	*	*	*	*	*	*	*	*	*	*	*	*
<b>Response to Questionnaire</b>															
Households who garden	1843000	123	2.70	6.37E-01	5.48E-02	4.15E-02	7.92E-02	1.18E-01	2.28E-01	4.53E-01	8.20E-01	1.46E+00	1.77E+00	2.54E+00	4.83E+00
Households who farm	87000	9	1.19	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgtd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-59. Consumer Only Intake of Homegrown Tomatoes (g/kg-day)															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	16737000	743	8.90	1.18E+00	5.26E-02	7.57E-02	1.52E-01	2.34E-01	3.92E-01	7.43E-01	1.46E+00	2.50E+00	3.54E+00	7.26E+00	1.93E+01
Age															
01-02	572000	26	10.04	3.14E+00	5.30E-01	7.26E-01	8.55E-01	9.34E-01	1.23E+00	1.66E+00	4.00E+00	7.26E+00	1.07E+01	1.07E+01	1.07E+01
03-05	516000	26	6.37	1.61E+00	2.65E-01	4.96E-01	5.07E-01	5.07E-01	7.54E-01	1.25E+00	1.65E+00	3.00E+00	6.25E+00	6.25E+00	6.25E+00
06-11	1093000	51	6.54	1.63E+00	2.68E-01	2.17E-01	3.10E-01	3.92E-01	5.30E-01	7.55E-01	1.66E+00	5.20E+00	5.70E+00	9.14E+00	9.14E+00
12-19	1411000	61	6.89	7.15E-01	8.52E-02	0.00E+00	0.00E+00	1.82E-01	2.68E-01	5.21E-01	8.50E-01	1.67E+00	1.94E+00	3.39E+00	3.39E+00
20-39	4169000	175	6.77	8.54E-01	1.03E-01	7.32E-02	1.31E-01	1.47E-01	2.54E-01	5.15E-01	1.00E+00	1.83E+00	2.10E+00	5.52E+00	1.93E+01
40-69	6758000	305	11.92	1.05E+00	5.23E-02	1.13E-01	1.73E-01	2.81E-01	3.97E-01	7.46E-01	1.41E+00	2.40E+00	3.05E+00	4.50E+00	5.00E+00
70 +	1989000	89	12.53	1.26E+00	9.40E-02	1.13E-01	2.36E-01	2.98E-01	4.82E-01	1.14E+00	1.77E+00	2.51E+00	2.99E+00	3.67E+00	3.67E+00
Season															
Fall	5516000	201	11.57	1.02E+00	8.55E-02	7.32E-02	1.35E-01	2.23E-01	3.43E-01	5.95E-01	1.34E+00	2.24E+00	2.87E+00	6.25E+00	1.07E+01
Spring	1264000	127	2.74	8.39E-01	6.26E-02	1.36E-01	1.89E-01	2.39E-01	3.73E-01	6.31E-01	1.11E+00	1.75E+00	2.00E+00	3.79E+00	5.28E+00
Summer	8122000	279	17.86	1.30E+00	8.75E-02	1.05E-01	1.66E-01	2.36E-01	4.08E-01	8.03E-01	1.55E+00	3.05E+00	4.05E+00	7.26E+00	1.09E+01
Winter	1835000	136	3.77	1.37E+00	1.77E-01	9.07E-02	2.07E-01	2.85E-01	4.97E-01	8.29E-01	1.49E+00	2.48E+00	3.38E+00	8.29E+00	1.93E+01
Urbanization															
Central City	2680000	90	4.76	1.10E+00	1.27E-01	0.00E+00	1.52E-01	2.25E-01	3.54E-01	7.54E-01	1.51E+00	2.16E+00	2.95E+00	7.26E+00	8.29E+00
Nonmetropolitan	7389000	378	16.41	1.26E+00	7.35E-02	1.13E-01	2.16E-01	2.62E-01	4.23E-01	7.62E-01	1.47E+00	2.77E+00	3.85E+00	6.87E+00	1.07E+01
Suburban	6668000	275	7.70	1.13E+00	9.14E-02	7.57E-02	1.35E-01	1.78E-01	3.70E-01	6.68E-01	1.38E+00	2.35E+00	3.32E+00	5.52E+00	1.93E+01
Race															
Black	743000	28	3.42	6.14E-01	8.60E-02	0.00E+00	0.00E+00	7.32E-02	2.36E-01	5.07E-01	9.02E-01	1.18E+00	1.55E+00	1.66E+00	1.66E+00
White	15658000	703	9.94	1.22E+00	5.54E-02	1.05E-01	1.68E-01	2.41E-01	4.06E-01	7.55E-01	1.49E+00	2.55E+00	3.59E+00	7.26E+00	1.93E+01
Region															
Midwest	6747000	322	14.54	1.18E+00	8.91E-02	6.34E-02	1.45E-01	2.06E-01	3.62E-01	6.82E-01	1.41E+00	2.51E+00	3.69E+00	6.87E+00	1.93E+01
Northeast	2480000	87	6.02	1.17E+00	1.64E-01	7.57E-02	1.35E-01	1.48E-01	3.50E-01	7.51E-01	1.38E+00	2.44E+00	3.52E+00	1.09E+01	1.09E+01
South	4358000	202	6.77	1.15E+00	9.07E-02	0.00E+00	2.07E-01	2.53E-01	4.23E-01	7.46E-01	1.43E+00	2.32E+00	3.67E+00	6.82E+00	9.14E+00
West	3152000	132	8.74	1.23E+00	9.90E-02	1.80E-01	2.39E-01	2.84E-01	4.11E-01	7.65E-01	1.84E+00	2.78E+00	3.08E+00	7.26E+00	7.26E+00
Response to Questionnaire															
Households who garden	14791000	661	21.70	1.21E+00	5.70E-02	7.57E-02	1.52E-01	2.34E-01	4.06E-01	7.58E-01	1.50E+00	2.51E+00	3.52E+00	7.26E+00	1.93E+01
Households who farm	2269000	112	30.96	1.42E+00	1.58E-01	0.00E+00	1.80E-01	2.26E-01	4.23E-01	7.66E-01	1.86E+00	3.55E+00	5.20E+00	9.14E+00	9.14E+00

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-60. Consumer Only Intake of Homegrown White Potatoes (g/kg-day)

Population Group	Nc wgtid	Nc unwgtid	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	5895000	281	3.14	1.66E+00	1.05E-01	0.00E+00	1.87E-01	3.08E-01	5.50E-01	1.27E+00	2.07E+00	3.11E+00	4.76E+00	9.52E+00	1.28E+01
<b>Age</b>															
01-02	147000	10	2.58	*	*	*	*	*	*	*	*	*	*	*	*
03-05	119000	6	1.47	*	*	*	*	*	*	*	*	*	*	*	*
06-11	431000	24	2.58	2.19E+00	3.85E-01	0.00E+00	0.00E+00	4.10E-01	7.20E-01	1.76E+00	3.10E+00	5.94E+00	6.52E+00	6.52E+00	6.52E+00
12-19	751000	31	3.67	1.26E+00	1.85E-01	6.67E-02	1.87E-01	2.59E-01	3.84E-01	1.22E+00	1.80E+00	2.95E+00	3.11E+00	4.14E+00	4.14E+00
20-39	1501000	66	2.44	1.24E+00	1.21E-01	1.64E-01	1.64E-01	1.96E-01	4.77E-01	1.00E+00	1.62E+00	2.54E+00	3.08E+00	4.29E+00	5.09E+00
40-69	1855000	95	3.27	1.86E+00	2.29E-01	1.27E-01	2.62E-01	3.50E-01	6.99E-01	1.31E+00	2.04E+00	3.43E+00	5.29E+00	1.28E+01	1.28E+01
70 +	1021000	45	6.43	1.27E+00	1.22E-01	2.06E-01	2.17E-01	3.57E-01	5.50E-01	1.21E+00	1.69E+00	2.35E+00	2.88E+00	3.92E+00	3.92E+00
<b>Season</b>															
Fall	2267000	86	4.76	1.63E+00	2.23E-01	1.64E-01	2.23E-01	2.65E-01	4.61E-01	1.13E+00	1.79E+00	3.43E+00	4.14E+00	1.28E+01	1.28E+01
Spring	527000	58	1.14	1.23E+00	1.28E-01	6.67E-02	1.05E-01	1.96E-01	4.10E-01	8.55E-01	1.91E+00	2.86E+00	3.08E+00	4.28E+00	4.28E+00
Summer	2403000	81	5.28	1.63E+00	1.82E-01	0.00E+00	1.87E-01	3.19E-01	6.20E-01	1.32E+00	2.09E+00	3.08E+00	5.29E+00	9.43E+00	9.43E+00
Winter	698000	56	1.43	2.17E+00	1.98E-01	1.41E-01	3.95E-01	4.97E-01	8.64E-01	2.02E+00	2.95E+00	4.26E+00	5.40E+00	6.00E+00	6.00E+00
<b>Urbanization</b>															
Central City	679000	25	1.20	9.60E-01	1.51E-01	1.64E-01	1.64E-01	1.75E-01	3.75E-01	5.55E-01	1.52E+00	2.07E+00	2.25E+00	2.54E+00	2.54E+00
Nonmetropolitan	3046000	159	6.77	1.96E+00	1.55E-01	1.84E-01	2.65E-01	3.68E-01	7.67E-01	1.50E+00	2.38E+00	3.55E+00	5.64E+00	1.28E+01	1.28E+01
Suburban	2110000	95	2.44	1.49E+00	1.67E-01	1.05E-01	1.87E-01	3.19E-01	5.40E-01	9.29E-01	1.68E+00	3.11E+00	4.76E+00	9.43E+00	9.43E+00
<b>Race</b>															
Black	140000	5	0.64	*	*	*	*	*	*	*	*	*	*	*	*
White	5550000	269	3.52	1.67E+00	1.09E-01	1.41E-01	2.06E-01	3.08E-01	5.50E-01	1.28E+00	2.09E+00	3.11E+00	4.76E+00	9.52E+00	1.28E+01
<b>Region</b>															
Midwest	2587000	133	5.58	1.77E+00	1.47E-01	1.75E-01	2.36E-01	3.39E-01	6.41E-01	1.35E+00	2.15E+00	3.77E+00	5.29E+00	9.43E+00	9.43E+00
Northeast	656000	31	1.59	1.28E+00	2.04E-01	6.67E-02	1.27E-01	1.67E-01	3.48E-01	8.64E-01	1.97E+00	2.95E+00	3.80E+00	5.09E+00	5.09E+00
South	1796000	84	2.79	2.08E+00	2.39E-01	1.64E-01	3.50E-01	4.61E-01	9.24E-01	1.56E+00	2.40E+00	3.44E+00	5.64E+00	1.28E+01	1.28E+01
West	796000	31	2.21	7.61E-01	1.05E-01	1.64E-01	2.16E-01	2.59E-01	4.11E-01	5.43E-01	9.63E-01	1.40E+00	1.95E+00	3.11E+00	3.11E+00
<b>Response to Questionnaire</b>															
Households who garden	5291000	250	7.76	1.65E+00	1.09E-01	0.00E+00	2.06E-01	3.08E-01	5.55E-01	1.28E+00	2.09E+00	3.10E+00	4.28E+00	9.52E+00	1.28E+01
Households who farm	1082000	62	14.76	1.83E+00	1.78E-01	6.67E-02	2.06E-01	5.76E-01	9.24E-01	1.46E+00	2.31E+00	3.80E+00	5.09E+00	6.52E+00	6.52E+00

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtid = weighted number of consumers; Nc unwgtid = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-61. Consumer Only Intake of Homegrown Exposed Fruit (g/kg-day)

Population Group	Nc wgtd	Nc unwgtd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	11770000	679	6.26	1.49E+00	8.13E-02	4.41E-02	1.37E-01	2.55E-01	4.46E-01	8.33E-01	1.70E+00	3.16E+00	4.78E+00	1.20E+01	3.25E+01
<b>Age</b>															
01-02	306000	19	5.37	*	*	*	*	*	*	*	*	*	*	*	*
03-05	470000	30	5.80	2.60E+00	7.78E-01	0.00E+00	0.00E+00	3.73E-01	1.00E+00	1.82E+00	2.64E+00	5.41E+00	6.07E+00	3.25E+01	3.25E+01
06-11	915000	68	5.48	2.52E+00	4.24E-01	0.00E+00	1.71E-01	3.73E-01	6.19E-01	1.11E+00	2.91E+00	6.98E+00	1.17E+01	1.57E+01	1.59E+01
12-19	896000	50	4.37	1.33E+00	2.06E-01	8.46E-02	1.23E-01	2.58E-01	4.04E-01	6.09E-01	2.27E+00	3.41E+00	4.78E+00	5.90E+00	5.90E+00
20-39	2521000	139	4.09	1.09E+00	1.44E-01	7.93E-02	1.30E-01	1.67E-01	3.04E-01	6.15E-01	1.07E+00	2.00E+00	3.58E+00	1.29E+01	1.29E+01
40-69	4272000	247	7.53	1.25E+00	1.10E-01	6.46E-02	1.64E-01	2.54E-01	4.39E-01	7.19E-01	1.40E+00	2.61E+00	3.25E+00	1.30E+01	1.30E+01
70 +	2285000	118	14.39	1.39E+00	1.17E-01	4.41E-02	2.07E-01	2.82E-01	5.71E-01	9.57E-01	1.66E+00	3.73E+00	4.42E+00	5.39E+00	7.13E+00
<b>Season</b>															
Fall	2877000	100	6.04	1.37E+00	1.16E-01	2.59E-01	2.91E-01	3.42E-01	5.43E-01	1.03E+00	1.88E+00	2.88E+00	4.25E+00	5.41E+00	5.41E+00
Spring	2466000	265	5.34	1.49E+00	1.51E-01	8.91E-02	1.98E-01	2.54E-01	4.32E-01	8.56E-01	1.65E+00	2.91E+00	4.67E+00	8.27E+00	3.25E+01
Summer	3588000	122	7.89	1.75E+00	2.50E-01	0.00E+00	8.66E-02	1.30E-01	3.89E-01	6.41E-01	1.76E+00	4.29E+00	6.12E+00	1.30E+01	1.57E+01
Winter	2839000	192	5.83	1.27E+00	1.06E-01	4.15E-02	1.04E-01	2.31E-01	4.59E-01	8.29E-01	1.55E+00	2.61E+00	4.66E+00	8.16E+00	1.13E+01
<b>Urbanization</b>															
Central City	2552000	99	4.53	1.34E+00	1.98E-01	4.41E-02	1.01E-01	2.59E-01	4.46E-01	8.63E-01	1.60E+00	2.37E+00	2.88E+00	1.30E+01	1.30E+01
Nonmetropolitan	3891000	269	8.64	1.78E+00	1.67E-01	6.46E-02	1.04E-01	1.67E-01	4.15E-01	9.42E-01	1.94E+00	4.07E+00	5.98E+00	1.57E+01	3.25E+01
Suburban	5267000	309	6.08	1.36E+00	9.00E-02	9.18E-02	2.07E-01	2.93E-01	4.69E-01	7.73E-01	1.65E+00	3.16E+00	4.67E+00	7.29E+00	1.29E+01
<b>Race</b>															
Black	250000	12	1.15	*	*	*	*	*	*	*	*	*	*	*	*
White	11411000	663	7.24	1.51E+00	8.33E-02	6.49E-02	1.55E-01	2.59E-01	4.49E-01	8.56E-01	1.72E+00	3.31E+00	4.78E+00	1.20E+01	3.25E+01
<b>Region</b>															
Midwest	4429000	293	9.55	1.60E+00	1.42E-01	4.41E-02	1.25E-01	2.23E-01	4.23E-01	8.78E-01	1.88E+00	3.58E+00	4.78E+00	1.20E+01	3.25E+01
Northeast	1219000	69	2.96	7.55E-01	1.18E-01	8.08E-02	8.66E-02	1.65E-01	3.00E-01	4.74E-01	7.84E-01	1.39E+00	2.86E+00	5.21E+00	7.13E+00
South	2532000	141	3.94	1.51E+00	1.84E-01	7.93E-02	2.32E-01	3.01E-01	5.08E-01	9.16E-01	1.63E+00	2.63E+00	5.98E+00	1.57E+01	1.57E+01
West	3530000	174	9.79	1.60E+00	1.43E-01	1.00E-01	2.40E-01	3.17E-01	5.69E-01	9.57E-01	1.97E+00	3.72E+00	5.00E+00	1.30E+01	1.30E+01
<b>Response to Questionnaire</b>															
Households who garden	10197000	596	14.96	1.55E+00	9.12E-02	4.15E-02	1.58E-01	2.58E-01	4.49E-01	8.78E-01	1.73E+00	3.41E+00	5.00E+00	1.29E+01	3.25E+01
Households who farm	1917000	112	26.16	2.32E+00	2.50E-01	7.21E-02	2.76E-01	3.71E-01	6.81E-01	1.30E+00	3.14E+00	5.00E+00	6.12E+00	1.57E+01	1.57E+01

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgtd = weighted number of consumers; Nc unwgtd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-62. Consumer Only Intake of Homegrown Protected Fruits (g/kg-day)																
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	3855000	173	2.05	5.74E+00	6.25E-01	1.50E-01	2.66E-01	3.35E-01	9.33E-01	2.34E+00	7.45E+00	1.60E+01	1.97E+01	4.73E+01	5.36E+01	
Age																
01-02	79000	5	1.39	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	80000	4	0.99	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	181000	9	1.08	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	377000	20	1.84	2.96E+00	9.93E-01	1.17E-01	1.60E-01	2.83E-01	3.93E-01	1.23E+00	2.84E+00	7.44E+00	1.14E+01	1.91E+01	1.91E+01	
20-39	755000	29	1.23	4.51E+00	1.08E+00	1.81E-01	3.62E-01	4.87E-01	1.22E+00	1.88E+00	4.47E+00	1.46E+01	1.61E+01	2.41E+01	2.41E+01	
40-69	1702000	77	3.00	5.65E+00	8.66E-01	1.12E-01	2.44E-01	2.87E-01	6.69E-01	2.22E+00	9.36E+00	1.55E+01	2.12E+01	4.13E+01	4.13E+01	
70 +	601000	26	3.78	4.44E+00	6.91E-01	2.62E-01	2.62E-01	2.85E-01	1.95E+00	3.29E+00	7.06E+00	8.97E+00	9.97E+00	1.52E+01	1.52E+01	
Season																
Fall	394000	12	0.83	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	497000	36	1.08	2.08E+00	3.47E-01	1.60E-01	1.81E-01	2.55E-01	3.78E-01	1.22E+00	4.08E+00	5.10E+00	6.57E+00	6.79E+00	6.79E+00	
Summer	1425000	47	3.13	7.39E+00	1.45E+00	1.12E-01	2.66E-01	3.93E-01	1.25E+00	3.06E+00	1.03E+01	1.66E+01	2.41E+01	5.36E+01	5.36E+01	
Winter	1539000	78	3.16	6.24E+00	9.10E-01	1.50E-01	3.02E-01	3.76E-01	1.39E+00	2.65E+00	8.23E+00	1.78E+01	2.12E+01	4.73E+01	4.73E+01	
Urbanization																
Central City	1312000	50	2.33	3.94E+00	5.80E-01	1.50E-01	2.62E-01	3.33E-01	8.34E-01	3.01E+00	5.01E+00	9.23E+00	9.97E+00	1.88E+01	1.88E+01	
Nonmetropolitan	506000	19	1.12	*	*	*	*	*	*	*	*	*	*	*	*	*
Suburban	2037000	104	2.35	6.83E+00	9.38E-01	1.12E-01	2.53E-01	2.92E-01	5.94E-01	2.01E+00	1.03E+01	1.79E+01	2.38E+01	5.36E+01	5.36E+01	
Race																
Black	200000	8	0.92	*	*	*	*	*	*	*	*	*	*	*	*	*
White	3655000	165	2.32	5.91E+00	6.48E-01	1.17E-01	2.62E-01	3.33E-01	1.06E+00	2.44E+00	7.46E+00	1.60E+01	2.12E+01	4.73E+01	5.36E+01	
Region																
Midwest	657000	24	1.42	1.07E+01	2.60E+00	2.53E-01	2.62E-01	2.85E-01	1.18E+00	7.44E+00	1.46E+01	2.41E+01	4.13E+01	5.36E+01	5.36E+01	
Northeast	105000	5	0.26	*	*	*	*	*	*	*	*	*	*	*	*	*
South	1805000	74	2.81	4.77E+00	6.47E-01	1.60E-01	3.64E-01	4.50E-01	1.23E+00	2.54E+00	5.10E+00	1.52E+01	1.66E+01	2.38E+01	2.40E+01	
West	1288000	70	3.57	4.85E+00	9.26E-01	1.12E-01	1.81E-01	2.68E-01	4.94E-01	1.84E+00	5.34E+00	1.23E+01	1.88E+01	4.73E+01	4.73E+01	
Response to Questionnaire																
Households who garden	3360000	146	4.93	5.90E+00	6.97E-01	1.17E-01	2.65E-01	3.35E-01	1.16E+00	2.42E+00	7.46E+00	1.60E+01	1.91E+01	4.73E+01	5.36E+01	
Households who farm	357000	14	4.87	*	*	*	*	*	*	*	*	*	*	*	*	*

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-63. Consumer Only Intake of Homegrown Exposed Vegetables (g/kg-day)															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	28762000	1511	15.30	1.52E+00	5.10E-02	3.25E-03	9.15E-02	1.72E-01	3.95E-01	8.60E-01	1.83E+00	3.55E+00	5.12E+00	1.03E+01	2.06E+01
Age															
01-02	815000	43	14.30	3.48E+00	5.14E-01	2.28E-02	2.39E-01	8.34E-01	1.20E+00	1.89E+00	4.23E+00	1.07E+01	1.19E+01	1.21E+01	1.21E+01
03-05	1069000	62	13.19	1.74E+00	2.20E-01	0.00E+00	7.23E-03	4.85E-02	5.79E-01	1.16E+00	2.53E+00	3.47E+00	6.29E+00	7.36E+00	8.86E+00
06-11	2454000	134	14.68	1.39E+00	1.76E-01	0.00E+00	4.44E-02	9.42E-02	3.12E-01	6.43E-01	1.60E+00	3.22E+00	5.47E+00	1.33E+01	1.33E+01
12-19	2611000	143	12.74	1.07E+00	9.43E-02	0.00E+00	2.92E-02	1.42E-01	3.04E-01	6.56E-01	1.46E+00	2.35E+00	3.78E+00	5.67E+00	5.67E+00
20-39	6969000	348	11.31	1.05E+00	8.14E-02	8.20E-03	6.56E-02	1.17E-01	2.55E-01	5.58E-01	1.26E+00	2.33E+00	3.32E+00	7.57E+00	2.06E+01
40-69	10993000	579	19.38	1.60E+00	8.32E-02	3.25E-03	1.41E-01	2.44E-01	4.79E-01	9.81E-01	1.92E+00	3.59E+00	5.22E+00	8.99E+00	1.90E+01
70 +	3517000	185	22.15	1.68E+00	1.21E-01	5.21E-03	1.51E-01	2.39E-01	5.22E-01	1.13E+00	2.38E+00	4.08E+00	4.96E+00	6.96E+00	1.02E+01
Season															
Fall	8865000	314	18.60	1.31E+00	9.80E-02	5.24E-02	1.11E-01	1.80E-01	3.33E-01	6.49E-01	1.56E+00	3.13E+00	4.45E+00	8.92E+00	1.22E+01
Spring	4863000	487	10.54	1.14E+00	6.35E-02	2.35E-03	4.53E-02	1.53E-01	3.38E-01	6.58E-01	1.39E+00	2.76E+00	4.02E+00	7.51E+00	1.07E+01
Summer	10151000	348	22.32	2.03E+00	1.26E-01	2.17E-03	1.13E-01	2.04E-01	6.07E-01	1.30E+00	2.52E+00	4.32E+00	6.35E+00	1.27E+01	1.90E+01
Winter	4883000	362	10.02	1.21E+00	9.50E-02	4.23E-03	2.28E-02	1.37E-01	3.70E-01	6.67E-01	1.42E+00	2.76E+00	3.69E+00	8.86E+00	2.06E+01
Urbanization															
Central City	4859000	173	8.62	1.11E+00	1.02E-01	1.01E-02	6.04E-02	8.02E-02	2.83E-01	7.01E-01	1.43E+00	2.49E+00	3.29E+00	8.34E+00	1.21E+01
Nonmetropolitan	11577000	711	25.71	1.87E+00	8.79E-02	1.65E-02	1.72E-01	2.52E-01	5.01E-01	1.16E+00	2.20E+00	4.12E+00	6.10E+00	1.22E+01	1.90E+01
Suburban	12266000	625	14.17	1.35E+00	7.01E-02	2.93E-03	9.68E-02	1.56E-01	3.55E-01	7.44E-01	1.58E+00	3.22E+00	5.22E+00	8.61E+00	2.06E+01
Race															
Black	1713000	100	7.88	1.23E+00	1.27E-01	0.00E+00	7.74E-02	1.41E-01	3.52E-01	8.93E-01	1.51E+00	3.32E+00	3.92E+00	5.55E+00	7.19E+00
White	26551000	1386	16.85	1.53E+00	5.41E-02	4.67E-03	9.74E-02	1.77E-01	3.95E-01	8.59E-01	1.82E+00	3.48E+00	5.12E+00	1.03E+01	2.06E+01
Region															
Midwest	10402000	570	22.42	1.48E+00	8.91E-02	1.00E-02	7.14E-02	1.57E-01	3.88E-01	8.06E-01	1.69E+00	3.55E+00	4.67E+00	1.19E+01	2.06E+01
Northeast	4050000	191	9.84	1.65E+00	1.78E-01	2.35E-03	8.05E-02	1.38E-01	2.61E-01	6.65E-01	1.75E+00	5.58E+00	6.80E+00	1.27E+01	1.49E+01
South	9238000	503	14.36	1.55E+00	7.79E-02	5.20E-02	1.63E-01	2.61E-01	5.18E-01	9.99E-01	1.92E+00	3.19E+00	4.52E+00	9.92E+00	1.33E+01
West	5012000	245	13.90	1.43E+00	1.02E-01	3.25E-03	2.61E-02	1.45E-01	3.91E-01	7.63E-01	2.13E+00	3.45E+00	4.84E+00	7.51E+00	8.34E+00
Response to Questionnaire															
Households who garden	25737000	1361	37.76	1.57	5.50E-02	3.25E-03	8.87E-02	1.68E-01	4.13E-01	8.89E-01	1.97E+00	3.63E+00	5.45E+00	1.03E+01	2.06E+01
Households who farm	3596000	207	49.07	2.17	1.61E-01	0.00E+00	1.84E-01	3.72E-01	6.47E-01	1.38E+00	2.81E+00	6.01E+00	6.83E+00	1.03E+01	1.33E+01

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-64. Consumer Only Intake of Homegrown Protected Vegetables (g/kg-day)															
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	11428000	656	6.08	1.01E+00	4.95E-02	1.03E-01	1.54E-01	1.94E-01	3.22E-01	6.25E-01	1.20E+00	2.24E+00	3.05E+00	6.49E+00	9.42E+00
Age															
01-02	348000	21	6.11	2.46E+00	4.91E-01	3.15E-01	3.15E-01	5.38E-01	1.36E+00	1.94E+00	2.96E+00	3.88E+00	9.42E+00	9.42E+00	9.42E+00
03-05	440000	32	5.43	1.30E+00	2.13E-01	2.33E-01	2.33E-01	3.22E-01	4.80E-01	1.04E+00	1.48E+00	2.51E+00	5.10E+00	5.31E+00	5.31E+00
06-11	1052000	63	6.30	1.10E+00	1.34E-01	1.89E-01	2.08E-01	3.18E-01	3.87E-01	7.91E-01	1.31E+00	2.14E+00	3.12E+00	5.40E+00	5.40E+00
12-19	910000	51	4.44	7.76E-01	8.71E-02	5.88E-02	1.61E-01	2.39E-01	3.54E-01	5.83E-01	8.24E-01	1.85E+00	2.20E+00	2.69E+00	2.69E+00
20-39	3227000	164	5.24	7.62E-01	6.03E-02	1.13E-01	1.52E-01	1.71E-01	2.41E-01	5.08E-01	9.67E-01	1.73E+00	2.51E+00	3.63E+00	4.76E+00
40-69	3818000	226	6.73	9.30E-01	7.32E-02	6.87E-02	1.35E-01	1.66E-01	3.16E-01	6.03E-01	1.11E+00	1.87E+00	3.04E+00	6.84E+00	7.44E+00
70 +	1442000	89	9.08	1.05E+00	1.62E-01	1.19E-01	2.10E-01	2.42E-01	3.57E-01	5.72E-01	1.21E+00	1.86E+00	3.05E+00	9.23E+00	9.23E+00
Season															
Fall	3907000	143	8.20	8.51E-01	7.02E-02	1.19E-01	1.61E-01	2.04E-01	3.22E-01	5.68E-01	1.10E+00	1.73E+00	2.51E+00	4.78E+00	5.31E+00
Spring	2086000	236	4.52	7.02E-01	4.48E-02	5.88E-02	1.35E-01	1.70E-01	2.66E-01	4.90E-01	9.08E-01	1.44E+00	1.86E+00	3.74E+00	5.73E+00
Summer	3559000	118	7.82	1.40E+00	1.56E-01	1.03E-01	1.77E-01	2.33E-01	3.81E-01	7.81E-01	1.69E+00	3.05E+00	5.40E+00	9.23E+00	9.42E+00
Winter	1876000	159	3.85	9.30E-01	7.70E-02	1.18E-01	1.42E-01	1.82E-01	3.12E-01	6.01E-01	1.20E+00	2.32E+00	3.06E+00	4.76E+00	6.39E+00
Urbanization															
Central City	1342000	49	2.38	9.96E-01	1.51E-01	1.19E-01	1.53E-01	1.67E-01	3.18E-01	7.21E-01	1.18E+00	2.36E+00	2.83E+00	4.78E+00	4.78E+00
Nonmetropolitan	5934000	391	13.18	1.07E+00	6.36E-02	1.14E-01	1.66E-01	2.14E-01	3.53E-01	6.48E-01	1.30E+00	2.51E+00	3.55E+00	6.84E+00	9.42E+00
Suburban	4152000	216	4.80	9.26E-01	7.97E-02	6.87E-02	1.50E-01	1.88E-01	2.94E-01	5.64E-01	1.15E+00	1.85E+00	2.67E+00	6.49E+00	9.23E+00
Race															
Black	479000	27	2.20	1.50E+00	2.25E-01	1.62E-01	2.64E-01	3.31E-01	8.66E-01	9.35E-01	2.20E+00	3.05E+00	3.23E+00	4.95E+00	4.95E+00
White	10836000	625	6.88	9.93E-01	4.83E-02	1.03E-01	1.53E-01	1.92E-01	3.21E-01	6.10E-01	1.20E+00	2.17E+00	3.04E+00	6.49E+00	9.42E+00
Region															
Midwest	4359000	273	9.40	1.01E+00	7.38E-02	1.13E-01	1.71E-01	2.31E-01	3.26E-01	5.72E-01	1.08E+00	2.45E+00	3.68E+00	6.84E+00	7.44E+00
Northeast	807000	48	1.96	7.01E-01	8.99E-02	5.88E-02	1.50E-01	1.68E-01	2.65E-01	5.09E-01	9.91E-01	1.71E+00	2.33E+00	2.77E+00	2.77E+00
South	4449000	253	6.92	1.08E+00	7.17E-02	1.29E-01	1.71E-01	2.14E-01	3.76E-01	7.12E-01	1.38E+00	2.32E+00	3.05E+00	5.40E+00	9.42E+00
West	1813000	82	5.03	9.57E-01	1.62E-01	6.87E-02	1.19E-01	1.52E-01	2.08E-01	4.79E-01	1.01E+00	1.86E+00	3.12E+00	9.23E+00	9.23E+00
Response to Questionnaire															
Households who garden	10286000	602	15.09	1.01E+00	4.73E-02	1.03E-01	1.53E-01	1.92E-01	3.36E-01	6.42E-01	1.21E+00	2.32E+00	3.05E+00	6.49E+00	9.23E+00
Households who farm	2325000	142	31.72	1.30E+00	1.45E-01	8.65E-02	1.66E-01	2.09E-01	3.37E-01	5.99E-01	1.40E+00	3.55E+00	5.40E+00	9.23E+00	9.23E+00

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-65. Consumer Only Intake of Homegrown Root Vegetables (g/kg-day)

Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100
Total	13750000	743	7.31	1.16E+00	5.84E-02	4.72E-03	3.64E-02	1.12E-01	2.51E-01	6.66E-01	1.47E+00	2.81E+00	3.71E+00	9.52E+00	1.28E+01
<b>Age</b>															
01-02	371000	22	6.51	2.52E+00	6.10E-01	1.66E-01	1.66E-01	2.19E-01	3.59E-01	9.20E-01	3.67E+00	7.25E+00	1.04E+01	1.04E+01	1.04E+01
03-05	390000	23	4.81	1.28E+00	3.24E-01	0.00E+00	0.00E+00	1.17E-01	2.25E-01	4.62E-01	1.68E+00	4.26E+00	4.73E+00	4.73E+00	4.73E+00
06-11	1106000	67	6.62	1.32E+00	2.14E-01	0.00E+00	1.39E-02	3.64E-02	2.32E-01	5.23E-01	1.63E+00	3.83E+00	5.59E+00	7.47E+00	7.47E+00
12-19	1465000	76	7.15	9.37E-01	1.19E-01	7.59E-03	8.00E-03	6.84E-02	2.69E-01	5.65E-01	1.37E+00	2.26E+00	3.32E+00	5.13E+00	5.13E+00
20-39	3252000	164	5.28	8.74E-01	7.39E-02	1.21E-02	5.35E-02	9.93E-02	2.00E-01	5.64E-01	1.24E+00	2.11E+00	3.08E+00	4.64E+00	6.03E+00
40-69	4903000	276	8.64	1.13E+00	9.86E-02	3.34E-03	3.29E-02	1.17E-01	2.51E-01	6.75E-01	1.27E+00	2.74E+00	3.56E+00	9.52E+00	1.28E+01
70 +	2096000	107	13.20	1.22E+00	1.02E-01	1.73E-02	2.90E-02	1.69E-01	3.76E-01	8.51E-01	1.71E+00	2.86E+00	3.21E+00	4.01E+00	4.77E+00
<b>Season</b>															
Fall	4026000	153	8.45	1.42E+00	1.53E-01	5.15E-02	1.38E-01	1.72E-01	3.09E-01	9.20E-01	1.67E+00	3.26E+00	3.85E+00	1.23E+01	1.28E+01
Spring	2552000	260	5.53	6.87E-01	6.08E-02	3.34E-03	1.73E-02	3.00E-02	1.44E-01	3.65E-01	7.69E-01	1.69E+00	2.80E+00	4.24E+00	7.69E+00
Summer	5011000	169	11.02	1.19E+00	1.20E-01	0.00E+00	4.76E-02	1.32E-01	2.77E-01	7.26E-01	1.51E+00	2.74E+00	3.64E+00	1.04E+01	1.19E+01
Winter	2161000	161	4.44	1.17E+00	1.19E-01	3.23E-03	8.57E-03	4.34E-02	2.38E-01	5.57E-01	1.56E+00	3.08E+00	4.14E+00	6.21E+00	1.13E+01
<b>Urbanization</b>															
Central City	2385000	96	4.23	7.49E-01	8.40E-02	2.68E-02	3.90E-02	1.43E-01	2.23E-01	4.26E-01	9.16E-01	1.91E+00	2.70E+00	3.56E+00	3.93E+00
Nonmetropolitan	6094000	366	13.54	1.43E+00	9.81E-02	8.57E-03	6.87E-02	1.29E-01	2.78E-01	7.58E-01	1.85E+00	3.32E+00	4.24E+00	1.13E+01	1.28E+01
Suburban	5211000	279	6.02	1.06E+00	8.62E-02	3.73E-03	1.21E-02	7.17E-02	2.32E-01	7.34E-01	1.19E+00	2.34E+00	3.26E+00	6.29E+00	1.19E+01
<b>Race</b>															
Black	521000	31	2.40	8.83E-01	3.93E-01	4.72E-03	9.28E-03	3.64E-02	8.82E-02	5.42E-01	7.65E-01	1.06E+00	1.25E+00	1.23E+01	1.23E+01
White	12861000	697	8.16	1.18E+00	5.97E-02	7.79E-03	4.58E-02	1.29E-01	2.61E-01	6.80E-01	1.50E+00	2.82E+00	3.72E+00	9.52E+00	1.28E+01
<b>Region</b>															
Midwest	5572000	314	12.01	1.31E+00	9.54E-02	3.37E-02	7.48E-02	1.66E-01	2.69E-01	7.39E-01	1.67E+00	3.23E+00	4.26E+00	1.04E+01	1.19E+01
Northeast	1721000	92	4.18	8.38E-01	1.03E-01	3.23E-03	7.79E-03	8.69E-03	1.43E-01	4.81E-01	1.18E+00	2.05E+00	2.77E+00	4.78E+00	6.03E+00
South	3842000	205	5.97	1.38E+00	1.38E-01	1.10E-02	5.35E-02	1.32E-01	2.77E-01	6.90E-01	1.70E+00	3.32E+00	3.83E+00	1.23E+01	1.28E+01
West	2555000	130	7.08	7.68E-01	6.43E-02	4.72E-03	2.24E-02	1.14E-01	2.38E-01	5.70E-01	9.77E-01	1.69E+00	2.45E+00	3.72E+00	3.72E+00
<b>Response to Questionnaire</b>															
Households who garden	12578000	682	18.46	1.15E+00	5.72E-02	4.79E-03	3.64E-02	1.17E-01	2.58E-01	6.74E-01	1.50E+00	2.81E+00	3.64E+00	7.47E+00	1.28E+01
Households who farm	2367000	136	32.30	1.39E+00	1.26E-01	1.11E-01	1.58E-01	1.84E-01	3.65E-01	8.83E-01	1.85E+00	3.11E+00	4.58E+00	7.47E+00	7.69E+00

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-66. Consumer Only Intake of Homegrown Dark Green Vegetables (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	8855000	428	4.71	3.91E-01	2.95E-02	2.01E-03	4.28E-03	1.01E-02	8.70E-02	2.11E-01	4.35E-01	9.19E-01	1.25E+00	3.53E+00	5.82E+00	
Age				*	*	*	*	*	*	*	*	*	*	*	*	*
01-02	180000	8	3.16	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	226000	12	2.79	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	826000	39	4.94	3.05E-01	5.19E-02	0.00E+00	6.34E-03	2.42E-02	9.00E-02	1.81E-01	3.87E-01	9.48E-01	1.04E+00	1.28E+00	1.28E+00	
12-19	628000	32	3.07	4.20E-01	1.47E-01	4.92E-03	5.38E-03	6.65E-03	5.62E-02	2.03E-01	3.73E-01	9.24E-01	1.64E+00	4.86E+00	4.86E+00	
20-39	1976000	87	3.21	3.36E-01	6.09E-02	2.21E-03	3.74E-03	1.00E-02	8.70E-02	1.76E-01	3.79E-01	6.69E-01	9.19E-01	2.94E+00	4.29E+00	
40-69	3710000	184	6.54	4.01E-01	4.24E-02	2.25E-03	3.67E-03	2.60E-02	8.19E-02	2.33E-01	4.80E-01	9.79E-01	1.25E+00	3.29E+00	5.82E+00	
70 +	1253000	63	7.89	4.08E-01	7.27E-02	2.84E-03	4.23E-03	5.68E-03	1.10E-01	2.31E-01	4.69E-01	9.29E-01	1.08E+00	3.45E+00	3.45E+00	
Season																
Fall	2683000	88	5.63	4.41E-01	7.42E-02	1.01E-02	4.46E-02	8.70E-02	1.45E-01	2.38E-01	4.59E-01	7.90E-01	1.08E+00	3.86E+00	4.29E+00	
Spring	1251000	127	2.71	5.59E-01	7.90E-02	1.63E-03	3.66E-03	5.72E-03	1.01E-01	3.09E-01	5.38E-01	1.28E+00	2.81E+00	4.86E+00	5.82E+00	
Summer	3580000	124	7.87	3.39E-01	4.10E-02	0.00E+00	2.84E-03	5.68E-03	6.34E-02	1.51E-01	4.05E-01	9.79E-01	1.15E+00	2.48E+00	2.48E+00	
Winter	1341000	89	2.75	2.72E-01	3.92E-02	2.01E-03	3.97E-03	5.21E-03	2.30E-02	1.51E-01	3.71E-01	6.59E-01	1.17E+00	2.04E+00	2.18E+00	
Urbanization																
Central City	1298000	48	2.30	2.69E-01	3.68E-02	2.84E-03	4.71E-03	1.01E-02	1.06E-01	2.05E-01	3.24E-01	6.32E-01	9.19E-01	1.07E+00	1.07E+00	
Nonmetropolitan	3218000	167	7.15	3.31E-01	3.54E-02	2.21E-03	4.67E-03	1.70E-02	6.86E-02	1.72E-01	4.52E-01	7.52E-01	1.00E+00	2.48E+00	5.82E+00	
Suburban	4279000	211	4.94	4.79E-01	5.23E-02	2.25E-03	5.21E-03	2.15E-02	9.22E-02	2.33E-01	4.59E-01	1.15E+00	2.18E+00	3.86E+00	4.86E+00	
Race																
Black	724000	49	3.33	1.04E+00	1.80E-01	0.00E+00	1.00E-01	1.13E-01	2.21E-01	5.52E-01	1.17E+00	3.29E+00	3.86E+00	4.86E+00	4.86E+00	
White	7963000	373	5.05	3.21E-01	2.20E-02	2.25E-03	4.67E-03	1.01E-02	7.75E-02	1.99E-01	3.79E-01	7.76E-01	1.07E+00	2.37E+00	5.82E+00	
Region																
Midwest	2668000	121	5.75	2.81E-01	3.54E-02	2.84E-03	4.77E-03	6.26E-03	6.34E-02	2.11E-01	3.58E-01	4.96E-01	9.79E-01	2.48E+00	3.02E+00	
Northeast	1554000	76	3.77	5.08E-01	9.14E-02	2.17E-03	2.80E-03	4.23E-03	5.62E-02	1.96E-01	4.92E-01	1.25E+00	1.93E+00	3.53E+00	5.82E+00	
South	2945000	148	4.58	4.78E-01	5.07E-02	3.64E-02	6.83E-02	9.23E-02	1.45E-01	2.87E-01	6.43E-01	9.24E-01	1.28E+00	3.86E+00	4.29E+00	
West	1628000	81	4.51	3.18E-01	7.25E-02	2.25E-03	3.37E-03	6.34E-03	3.50E-02	1.10E-01	3.09E-01	6.59E-01	9.29E-01	4.86E+00	4.86E+00	
Response to Questionnaire																
Households who garden	8521000	412	12.50	3.95E-01	3.03E-02	1.63E-03	4.23E-03	1.05E-02	8.76E-02	2.12E-01	4.48E-01	9.19E-01	1.25E+00	3.53E+00	5.82E+00	
Households who farm	1450000	66	19.78	3.80E-01	6.08E-02	1.62E-03	4.67E-03	5.38E-03	6.68E-02	2.31E-01	4.84E-01	9.48E-01	1.25E+00	2.48E+00	3.02E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-67. Consumer Only Intake of Homegrown Deep Yellow Vegetables (g/kg-day)																
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	5467000	245	2.91	6.43E-01	4.44E-02	4.34E-02	6.70E-02	1.26E-01	2.22E-01	4.17E-01	7.74E-01	1.44E+00	2.03E+00	2.67E+00	6.63E+00	
Age																
01-02	124000	8	2.18	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	61000	4	0.75	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	382000	17	2.29	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	493000	21	2.41	4.73E-01	9.18E-02	6.05E-02	6.05E-02	6.29E-02	9.07E-02	3.63E-01	7.79E-01	1.13E+00	1.44E+00	1.58E+00	1.58E+00	
20-39	1475000	63	2.39	5.32E-01	7.54E-02	4.89E-02	5.55E-02	1.15E-01	1.66E-01	3.05E-01	5.11E-01	1.22E+00	2.03E+00	2.67E+00	2.67E+00	
40-69	2074000	96	3.66	5.39E-01	5.15E-02	3.90E-02	9.22E-02	1.43E-01	2.21E-01	4.03E-01	6.54E-01	1.09E+00	1.33E+00	3.02E+00	3.02E+00	
70 +	761000	32	4.79	7.81E-01	9.20E-02	7.64E-02	2.02E-01	2.77E-01	3.70E-01	5.72E-01	1.24E+00	1.61E+00	1.99E+00	1.99E+00	1.99E+00	
Season																
Fall	2664000	97	5.59	7.38E-01	8.18E-02	9.21E-02	1.22E-01	1.43E-01	2.61E-01	4.51E-01	9.74E-01	1.73E+00	2.23E+00	3.02E+00	6.63E+00	
Spring	315000	34	0.68	5.64E-01	7.52E-02	1.43E-01	1.45E-01	1.98E-01	2.47E-01	4.45E-01	6.43E-01	1.01E+00	1.42E+00	2.41E+00	2.41E+00	
Summer	1619000	52	3.56	5.09E-01	6.37E-02	4.16E-02	5.49E-02	6.48E-02	2.26E-01	4.10E-01	6.35E-01	9.64E-01	1.67E+00	2.31E+00	2.31E+00	
Winter	869000	62	1.78	6.29E-01	9.15E-02	3.90E-02	4.34E-02	6.29E-02	1.72E-01	3.52E-01	7.96E-01	1.54E+00	2.23E+00	4.37E+00	4.37E+00	
Urbanization																
Central City	1308000	43	2.32	5.07E-01	7.07E-02	3.90E-02	6.29E-02	1.43E-01	2.13E-01	3.88E-01	5.88E-01	9.64E-01	1.41E+00	2.24E+00	2.24E+00	
Nonmetropolitan	2100000	118	4.66	6.66E-01	7.72E-02	4.16E-02	5.55E-02	9.07E-02	2.20E-01	3.70E-01	8.65E-01	1.39E+00	2.12E+00	4.37E+00	6.63E+00	
Suburban	2059000	84	2.38	7.07E-01	6.99E-02	6.48E-02	9.22E-02	1.26E-01	2.62E-01	4.25E-01	9.74E-01	1.67E+00	2.03E+00	2.67E+00	2.67E+00	
Race																
Black	129000	8	0.59	*	*	*	*	*	*	*	*	*	*	*	*	*
White	5093000	229	3.23	6.45E-01	4.03E-02	4.89E-02	9.21E-02	1.43E-01	2.41E-01	4.25E-01	7.96E-01	1.50E+00	2.03E+00	2.67E+00	4.37E+00	
Region																
Midwest	2792000	128	6.02	7.52E-01	6.01E-02	4.34E-02	1.32E-01	1.93E-01	2.82E-01	5.09E-01	9.55E-01	1.73E+00	2.23E+00	3.02E+00	4.37E+00	
Northeast	735000	29	1.79	3.96E-01	8.06E-02	4.16E-02	5.55E-02	6.05E-02	9.22E-02	1.50E-01	6.35E-01	1.09E+00	1.37E+00	2.21E+00	2.21E+00	
South	557000	30	0.87	5.39E-01	2.08E-01	4.89E-02	5.49E-02	7.74E-02	2.20E-01	3.05E-01	4.38E-01	7.74E-01	1.22E+00	6.63E+00	6.63E+00	
West	1383000	58	3.83	5.97E-01	7.07E-02	6.48E-02	1.27E-01	1.43E-01	2.21E-01	4.10E-01	6.42E-01	1.44E+00	1.89E+00	2.31E+00	2.31E+00	
Response to Questionnaire																
Households who garden	5177000	233	7.60	6.23E-01	3.93E-02	4.16E-02	9.07E-02	1.32E-01	2.32E-01	4.15E-01	7.50E-01	1.42E+00	1.99E+00	2.67E+00	4.37E+00	
Households who farm	1088000	51	14.85	6.06E-01	8.52E-02	9.21E-02	9.22E-02	1.22E-01	1.94E-01	3.40E-01	9.40E-01	1.28E+00	1.73E+00	3.02E+00	3.02E+00	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-68. Consumer Only Intake of Homegrown Other Vegetables (g/kg-day)																
Population Group	Nc wgt'd	Nc unwgt'd	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	25221000	1437	13.41	1.38E+00	5.00E-02	9.44E-03	1.07E-01	1.76E-01	3.62E-01	7.78E-01	1.65E+00	3.09E+00	4.52E+00	9.95E+00	1.84E+01	
Age																
01-02	613000	38	10.76	3.80E+00	6.27E-01	1.92E-01	2.73E-01	4.04E-01	1.04E+00	2.61E+00	4.55E+00	7.74E+00	1.12E+01	1.80E+01	1.80E+01	
03-05	887000	59	10.95	2.15E+00	2.67E-01	0.00E+00	2.28E-01	3.72E-01	7.20E-01	1.37E+00	3.16E+00	4.47E+00	5.96E+00	8.41E+00	1.40E+01	
06-11	2149000	134	12.86	1.30E+00	1.38E-01	0.00E+00	1.21E-01	1.93E-01	3.54E-01	8.00E-01	1.61E+00	3.04E+00	4.57E+00	9.95E+00	9.95E+00	
12-19	2379000	141	11.61	9.80E-01	8.56E-02	0.00E+00	5.76E-02	1.15E-01	3.17E-01	6.40E-01	1.33E+00	2.05E+00	3.17E+00	5.41E+00	5.41E+00	
20-39	6020000	328	9.77	9.30E-01	6.00E-02	3.19E-02	9.37E-02	1.48E-01	2.43E-01	5.60E-01	1.12E+00	2.19E+00	3.04E+00	5.10E+00	7.00E+00	
40-69	9649000	547	17.01	1.40E+00	8.72E-02	5.20E-03	1.11E-01	1.86E-01	3.95E-01	8.43E-01	1.58E+00	2.92E+00	4.65E+00	1.41E+01	1.84E+01	
70 +	3226000	174	20.31	1.58E+00	1.41E-01	1.85E-02	1.52E-01	2.38E-01	4.62E-01	9.48E-01	1.91E+00	3.46E+00	5.79E+00	9.96E+00	1.14E+01	
Season																
Fall	6934000	253	14.55	1.19E+00	8.62E-02	4.92E-02	1.48E-01	1.86E-01	3.28E-01	7.16E-01	1.44E+00	2.74E+00	4.00E+00	6.74E+00	9.96E+00	
Spring	5407000	567	11.71	1.16E+00	6.19E-02	3.66E-03	4.32E-02	1.04E-01	3.10E-01	7.10E-01	1.39E+00	2.67E+00	4.21E+00	7.35E+00	1.40E+01	
Summer	8454000	283	18.59	1.79E+00	1.53E-01	0.00E+00	1.18E-01	1.81E-01	3.85E-01	9.68E-01	1.97E+00	4.13E+00	6.14E+00	1.46E+01	1.84E+01	
Winter	4426000	334	9.09	1.19E+00	7.28E-02	4.79E-03	1.41E-01	2.31E-01	4.09E-01	7.33E-01	1.49E+00	2.41E+00	3.37E+00	7.00E+00	1.10E+01	
Urbanization																
Central City	4148000	161	7.36	9.66E-01	8.81E-02	3.50E-02	9.37E-02	1.63E-01	3.24E-01	6.07E-01	1.23E+00	1.97E+00	3.22E+00	7.00E+00	8.85E+00	
Nonmetropolitan	10721000	710	23.81	1.78E+00	8.99E-02	2.74E-02	1.60E-01	2.26E-01	4.68E-01	1.01E+00	2.01E+00	4.05E+00	5.74E+00	1.41E+01	1.84E+01	
Suburban	10292000	564	11.89	1.14E+00	5.98E-02	4.79E-03	8.98E-02	1.46E-01	3.06E-01	6.47E-01	1.44E+00	2.69E+00	3.77E+00	6.81E+00	1.14E+01	
Race																
Black	1347000	84	6.19	1.30E+00	1.70E-01	4.41E-02	1.74E-01	2.06E-01	3.50E-01	7.11E-01	1.49E+00	3.88E+00	5.47E+00	6.21E+00	7.72E+00	
White	23367000	1327	14.83	1.39E+00	5.26E-02	1.29E-02	1.10E-01	1.79E-01	3.76E-01	7.93E-01	1.65E+00	3.04E+00	4.49E+00	9.96E+00	1.84E+01	
Region																
Midwest	8296000	522	17.88	1.43E+00	9.25E-02	3.19E-02	1.21E-01	1.90E-01	3.66E-01	7.29E-01	1.65E+00	3.05E+00	4.65E+00	1.12E+01	1.84E+01	
Northeast	2914000	162	7.08	1.33E+00	1.65E-01	1.97E-03	5.69E-02	1.07E-01	2.44E-01	5.97E-01	1.64E+00	3.07E+00	5.41E+00	1.20E+01	1.41E+01	
South	9218000	518	14.33	1.53E+00	7.82E-02	1.41E-02	1.68E-01	2.53E-01	4.87E-01	1.03E+00	1.76E+00	3.37E+00	4.70E+00	8.33E+00	1.80E+01	
West	4733000	233	13.12	1.08E+00	9.85E-02	1.11E-02	7.06E-02	1.22E-01	2.55E-01	5.73E-01	1.21E+00	2.41E+00	3.73E+00	8.02E+00	1.14E+01	
Response to Questionnaire																
Households who garden	22417000	1291	32.89	1.44E+00	5.25E-02	1.11E-02	1.11E-01	1.80E-01	3.84E-01	8.18E-01	1.70E+00	3.22E+00	4.65E+00	9.95E+00	1.84E+01	
Households who farm	3965000	239	54.10	1.95E+00	1.63E-01	1.41E-02	1.36E-01	2.34E-01	5.20E-01	1.21E+00	2.04E+00	5.32E+00	7.02E+00	1.46E+01	1.59E+01	

NOTE: SE = standard error  
P = percentile of the distribution  
Nc wgt'd = weighted number of consumers; Nc unwgt'd = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-69. Consumer Only Intake of Homegrown Citrus (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	2530000	125	1.35	4.76E+00	6.05E-01	7.82E-02	1.57E-01	2.86E-01	7.56E-01	1.99E+00	5.10E+00	1.41E+01	1.97E+01	3.22E+01	4.79E+01	
Age																
01-02	54000	4	0.95	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	51000	3	0.63	*	*	*	*	*	*	*	*	*	*	*	*	*
06-11	181000	9	1.08	*	*	*	*	*	*	*	*	*	*	*	*	*
12-19	194000	14	0.95	*	*	*	*	*	*	*	*	*	*	*	*	*
20-39	402000	18	0.65	*	*	*	*	*	*	*	*	*	*	*	*	*
40-69	1183000	55	2.09	4.54E+00	8.06E-01	8.11E-02	1.50E-01	2.47E-01	5.21E-01	1.74E+00	5.24E+00	1.52E+01	1.97E+01	2.38E+01	2.38E+01	
70 +	457000	21	2.88	4.43E+00	7.58E-01	7.82E-02	7.82E-02	4.94E-01	1.95E+00	3.53E+00	6.94E+00	8.97E+00	8.97E+00	1.57E+01	1.57E+01	
Season																
Fall	280000	8	0.59	*	*	*	*	*	*	*	*	*	*	*	*	*
Spring	437000	33	0.95	2.31E+00	3.76E-01	1.57E-01	1.84E-01	2.35E-01	3.69E-01	1.36E+00	4.15E+00	5.10E+00	6.50E+00	7.52E+00	7.52E+00	
Summer	334000	11	0.73	*	*	*	*	*	*	*	*	*	*	*	*	*
Winter	1479000	73	3.04	6.47E+00	9.53E-01	1.50E-01	3.33E-01	4.94E-01	1.64E+00	2.93E+00	8.59E+00	1.91E+01	2.38E+01	4.79E+01	4.79E+01	
Urbanization																
Central City	1053000	43	1.87	3.57E+00	5.18E-01	1.50E-01	3.33E-01	4.50E-01	1.13E+00	3.01E+00	4.97E+00	7.46E+00	8.97E+00	2.00E+01	2.00E+01	
Nonmetropolitan	0	0	0.00													
Suburban	1477000	82	1.71	5.61E+00	9.14E-01	7.82E-02	1.14E-01	2.47E-01	5.17E-01	1.81E+00	8.12E+00	1.79E+01	2.38E+01	4.79E+01	4.79E+01	
Race																
Black	200000	8	0.92	*	*	*	*	*	*	*	*	*	*	*	*	*
White	2330000	117	1.48	4.93E+00	6.31E-01	7.82E-02	1.50E-01	2.84E-01	7.82E-01	2.34E+00	5.34E+00	1.41E+01	1.97E+01	3.22E+01	4.79E+01	
Region																
Midwest	64000	4	0.14	*	*	*	*	*	*	*	*	*	*	*	*	*
Northeast	0	0	0.00													
South	1240000	55	1.93	5.18E+00	7.37E-01	1.57E-01	3.76E-01	6.44E-01	1.60E+00	3.42E+00	6.50E+00	1.41E+01	1.97E+01	2.38E+01	2.38E+01	
West	1226000	66	3.40	4.56E+00	9.79E-01	7.82E-02	1.14E-01	2.35E-01	3.69E-01	1.42E+00	4.53E+00	1.24E+01	2.00E+01	4.79E+01	4.79E+01	
Response to Questionnaire																
Households who garden	2151000	102	3.16	4.55E+00	6.61E-01	7.82E-02	1.50E-01	2.84E-01	7.56E-01	1.99E+00	4.99E+00	1.24E+01	1.79E+01	3.22E+01	4.79E+01	
Households who farm	130000	5	1.77	*	*	*	*	*	*	*	*	*	*	*	*	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distributions

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Sources: Based on EPA's analyses of the 1987-88 NFCS



Table 13-70. Consumer Only Intake of Homegrown Other Fruit (g/kg-day)																
Population Group	Nc wgted	Nc unwgted	% Consuming	Mean	SE	P1	P5	P10	P25	P50	P75	P90	P95	P99	P100	
Total	12615000	706	6.71	2.20E+00	1.86E-01	5.41E-02	1.47E-01	2.55E-01	4.60E-01	9.06E-01	1.91E+00	4.59E+00	8.12E+00	1.84E+01	6.26E+01	
Age																
01-02	306000	19	5.37	*	*	*	*	*	*	*	*	*	*	*	*	*
03-05	499000	31	6.16	2.66E+00	7.60E-01	0.00E+00	0.00E+00	3.80E-01	1.02E+00	1.87E+00	2.71E+00	5.54E+00	6.30E+00	3.32E+01	3.32E+01	
06-11	915000	68	5.48	2.60E+00	4.38E-01	0.00E+00	1.77E-01	3.86E-01	6.37E-01	1.14E+00	2.99E+00	7.13E+00	1.21E+01	1.62E+01	1.65E+01	
12-19	1021000	54	4.98	1.62E+00	2.77E-01	8.40E-02	1.20E-01	2.57E-01	3.86E-01	6.09E-01	2.36E+00	3.92E+00	6.81E+00	8.12E+00	8.12E+00	
20-39	2761000	146	4.48	1.85E+00	3.72E-01	7.94E-02	1.30E-01	1.80E-01	3.07E-01	6.20E-01	1.39E+00	3.70E+00	6.64E+00	3.70E+01	3.70E+01	
40-69	4610000	259	8.13	2.09E+00	3.08E-01	6.52E-02	1.47E-01	2.54E-01	4.44E-01	7.68E-01	1.77E+00	3.17E+00	9.77E+00	1.84E+01	5.33E+01	
70 +	2326000	119	14.65	1.66E+00	1.84E-01	4.41E-02	2.07E-01	3.56E-01	5.71E-01	1.07E+00	1.65E+00	4.06E+00	5.21E+00	1.17E+01	1.17E+01	
Season																
Fall	2923000	102	6.13	1.39E+00	1.14E-01	2.59E-01	3.04E-01	3.81E-01	5.67E-01	1.07E+00	1.88E+00	2.89E+00	4.06E+00	5.39E+00	5.54E+00	
Spring	2526000	268	5.47	1.47E+00	1.51E-01	8.66E-02	1.98E-01	2.54E-01	4.25E-01	8.33E-01	1.65E+00	2.89E+00	4.59E+00	8.26E+00	3.32E+01	
Summer	4327000	144	9.51													
Winter	2839000	192	5.83	1.29E+00	1.08E-01	4.15E-02	1.01E-01	2.25E-01	4.54E-01	8.33E-01	1.55E+00	2.70E+00	4.79E+00	8.06E+00	1.13E+01	
Urbanization																
Central City	2681000	102	4.76	1.79E+00	2.88E-01	4.41E-02	1.66E-01	2.91E-01	5.21E-01	8.87E-01	1.60E+00	2.61E+00	1.04E+01	1.54E+01	1.54E+01	
Nonmetropolitan	4118000	278	9.15	2.43E+00	3.10E-01	6.52E-02	1.20E-01	2.38E-01	4.50E-01	1.13E+00	2.43E+00	4.60E+00	8.12E+00	2.40E+01	5.33E+01	
Suburban	5756000	324	6.65	2.25E+00	3.06E-01	1.25E-01	1.99E-01	2.82E-01	4.46E-01	7.64E-01	1.81E+00	4.72E+00	7.61E+00	1.84E+01	6.26E+01	
Race																
Black	250000	12	1.15	*	*	*	*	*	*	*	*	*	*	*	*	*
White	12256000	690	7.78	2.24E+00	1.91E-01	6.96E-02	1.50E-01	2.59E-01	4.66E-01	9.16E-01	1.94E+00	4.65E+00	8.26E+00	1.84E+01	6.26E+01	
Region																
Midwest	4619000	298	9.96	3.07E+00	4.25E-01	4.41E-02	1.25E-01	2.35E-01	4.54E-01	1.04E+00	2.35E+00	6.73E+00	1.42E+01	5.33E+01	6.26E+01	
Northeast	1279000	72	3.11	9.32E-01	2.20E-01	7.98E-02	8.55E-02	1.62E-01	3.11E-01	4.75E-01	8.12E-01	1.29E+00	2.16E+00	1.17E+01	1.17E+01	
South	3004000	157	4.67	1.99E+00	2.59E-01	7.94E-02	2.38E-01	2.99E-01	5.46E-01	1.10E+00	1.82E+00	4.06E+00	6.30E+00	1.62E+01	2.40E+01	
West	3653000	177	10.13	1.76E+00	1.64E-01	1.00E-01	2.16E-01	2.91E-01	5.44E-01	9.71E-01	2.04E+00	4.35E+00	5.75E+00	1.30E+01	1.30E+01	
Response to Questionnaire																
Households who garden	10926000	619	16.03	2.38E+00	2.12E-01	4.41E-02	1.58E-01	2.57E-01	4.74E-01	9.94E-01	1.96E+00	4.94E+00	1.04E+01	1.84E+01	6.26E+01	
Households who farm	1917000	112	26.16	2.57E+00	2.65E-01	6.96E-02	2.76E-01	3.61E-01	7.33E-01	1.55E+00	3.62E+00	5.80E+00	8.06E+00	1.62E+01	1.62E+01	

\* Intake data not provided for subpopulations for which there were less than 20 observations

NOTE: SE = standard error

P = percentile of the distribution

Nc wgted = weighted number of consumers; Nc unwgted = unweighted number of consumers in survey.

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-71. Fraction of Food Intake that is Home Produced										
	Total Fruits	Total Vegetables	Total Meats	Total Dairy	Total Fish	Exposed Vegetables	Protected Vegetables	Root Vegetables	Exposed Fruits	Protected Fruits
Total Season	0.040	0.068	0.024	0.012	0.094	0.095	0.069	0.043	0.050	0.037
<u>Season</u>										
Fall	0.021	0.081	0.020	0.008	0.076	0.106	0.073	0.06	0.039	0.008
Spring	0.021	0.037	0.020	0.011	0.160	0.05	0.039	0.02	0.047	0.008
Summer	0.058	0.116	0.034	0.022	0.079	0.164	0.101	0.066	0.068	0.054
Winter	0.059	0.041	0.022	0.008	0.063	0.052	0.048	0.026	0.044	0.068
<u>Urbanization</u>										
Central City	0.027	0.027	0.003	0.000	0.053	0.037	0.027	0.016	0.030	0.026
Nonmetropolitan	0.052	0.144	0.064	0.043	0.219	0.207	0.134	0.088	0.100	0.025
Surburban	0.047	0.058	0.018	0.004	0.075	0.079	0.054	0.035	0.043	0.050
<u>Race</u>										
Black	0.007	0.027	0.001	0.000	0.063	0.037	0.029	0.012	0.008	0.007
White	0.049	0.081	0.031	0.014	0.110	0.109	0.081	0.050	0.059	0.045
<u>Regions</u>										
Northeast	0.005	0.038	0.009	0.010	0.008	0.062	0.016	0.018	0.010	0.002
Midwest	0.059	0.112	0.046	0.024	0.133	0.148	0.109	0.077	0.078	0.048
South	0.042	0.069	0.017	0.006	0.126	0.091	0.077	0.042	0.040	0.044
West	0.062	0.057	0.023	0.007	0.108	0.079	0.060	0.029	0.075	0.054
<u>Questionnaire Response</u>										
Households who garden	0.101	0.173				0.233	0.178	0.106	0.116	0.094
Households who raise animals			0.306	0.207						
Households who farm	0.161	0.308	0.319	0.254		0.420	0.394	0.173	0.328	0.030
Households who fish					0.325					

Table 13-71. Fraction of Food Intake that is Home Produced (continued)										
	Dark Green Vegetables	Deep Yellow Vegetables	Other Vegetables	Citrus Fruits	Other Fruits	Apples	Peaches	Pears	Strawberries	Other Berries
Total Season	0.044	0.065	0.069	0.038	0.042	0.030	0.147	0.067	0.111	0.217
<u>Season</u>										
Fall	0.059	0.099	0.069	0.114	0.027	0.032	0.09	0.038	0.408	0.163
Spring	0.037	0.017	0.051	0.014	0.025	0.013	0.206	0.075	0.064	0.155
Summer	0.063	0.08	0.114	0.01	0.07	0.053	0.133	0.066	0.088	0.232
Winter	0.018	0.041	0.044	0.091	0.03	0.024	0.183	0.111	0.217	0.308
<u>Urbanization</u>										
Central City	0.012	0.038	0.026	0.035	0.022	0.017	0.087	0.038	0.107	0.228
Nonmetropolitan	0.090	0.122	0.154	0.000	0.077	0.066	0.272	0.155	0.133	0.282
Surburban	0.054	0.058	0.053	0.056	0.042	0.024	0.121	0.068	0.101	0.175
<u>Race</u>										
Black	0.053	0.056	0.026	0.012	0.004	0.007	0.018	0.004	0.000	0.470
White	0.043	0.071	0.082	0.045	0.051	0.035	0.164	0.089	0.125	0.214
<u>Regions</u>										
Northeast	0.039	0.019	0.034	0.000	0.008	0.004	0.027	0.002	0.085	0.205
Midwest	0.054	0.174	0.102	0.001	0.083	0.052	0.164	0.112	0.209	0.231
South	0.049	0.022	0.077	0.060	0.031	0.024	0.143	0.080	0.072	0.177
West	0.034	0.063	0.055	0.103	0.046	0.043	0.238	0.093	0.044	0.233
<u>Questionnaire Response</u>										
Households who garden	0.120	0.140	0.180	0.087	0.107	0.070	0.316	0.169	0.232	0.306
Households who farm	0.220	0.328	0.368	0.005	0.227	0.292	0.461	0.606	0.057	0.548



## Chapter 13 - Intake Rates for Various Home Produced Food Items

### Volume II - Food Ingestion Factors

Table 13-71. Fraction of food Intake that is Home Produced (continued)											
	Asparagus	Beets	Broccoli	Cabbage	Carrots	Corn	Cucumbers	Lettuce	Lima Beans	Okra	Onions
Total	0.063	0.203	0.015	0.038	0.043	0.078	0.148	0.010	0.121	0.270	0.056
<u>Season</u>											
Fall	0.024	0.199	0.013	0.054	0.066	0.076	0.055	0.013	0.07	0.299	0.066
Spring	0.103	0.191	0.011	0.011	0.015	0.048	0.04	0.01	0.082	0.211	0.033
Summer	0	0.209	0.034	0.08	0.063	0.118	0.32	0.017	0.176	0.304	0.091
Winter	0.019	0.215	0.006	0.008	0.025	0.043	0	0.002	0.129	0.123	0.029
<u>Urbanization</u>											
Central City	0.058	0.212	0.004	0.004	0.018	0.025	0.029	0.009	0.037	0.068	0.017
Nonmetropolitan	0.145	0.377	0.040	0.082	0.091	0.173	0.377	0.017	0.132	0.411	0.127
Surburban	0.040	0.127	0.016	0.045	0.039	0.047	0.088	0.009	0.165	0.299	0.050
<u>Race</u>											
Black	0.000	0.000	0.000	0.001	0.068	0.019	0.060	0.007	0.103	0.069	0.009
White	0.071	0.224	0.018	0.056	0.042	0.093	0.155	0.011	0.135	0.373	0.068
<u>Regions</u>											
Northeast	0.091	0.074	0.020	0.047	0.025	0.020	0.147	0.009	0.026	0.000	0.022
Midwest	0.194	0.432	0.025	0.053	0.101	0.124	0.193	0.020	0.149	0.224	0.098
South	0.015	0.145	0.013	0.029	0.020	0.088	0.140	0.006	0.140	0.291	0.047
West	0.015	0.202	0.006	0.029	0.039	0.069	0.119	0.009	0.000	0.333	0.083
<u>Questionnaire Response</u>											
Households who garden	0.125	0.420	0.043	0.099	0.103	0.220	0.349	0.031	0.258	0.618	0.148
Households who farm	0.432	0.316	0.159	0.219	0.185	0.524	0.524	0.063	0.103	0.821	0.361

Table 13-71. Fraction of Food Intake that is Home Produced (continued)											
	Peas	Peppers	Pumpkin	Snap Beans	Tomatoes	White Potatoes	Beef	Game	Pork	Poultry	Eggs
Total	0.069	0.107	0.155	0.155	0.184	0.038	0.038	0.276	0.013	0.011	0.014
<u>Season</u>											
Fall	0.046	0.138	0.161	0.199	0.215	0.058	0.028	0.336	0.012	0.011	0.009
Spring	0.048	0.031	0.046	0.152	0.045	0.01	0.027	0.265	0.015	0.012	0.022
Summer	0.126	0.194	0.19	0.123	0.318	0.06	0.072	0.1	0.01	0.007	0.013
Winter	0.065	0.03	0.154	0.147	0.103	0.022	0.022	0.33	0.014	0.014	0.011
<u>Urbanization</u>											
Central City	0.033	0.067	0.130	0.066	0.100	0.009	0.001	0.146	0.001	0.002	0.002
Nonmetropolitan	0.123	0.228	0.250	0.307	0.313	0.080	0.107	0.323	0.040	0.026	0.029
Surburban	0.064	0.086	0.127	0.118	0.156	0.029	0.026	0.316	0.006	0.011	0.014
<u>Race</u>											
Black	0.047	0.039	0.022	0.046	0.060	0.007	0.000	0.000	0.000	0.001	0.002
White	0.076	0.121	0.187	0.186	0.202	0.044	0.048	0.359	0.017	0.014	0.017
<u>Regions</u>											
Northeast	0.021	0.067	0.002	0.052	0.117	0.016	0.014	0.202	0.006	0.002	0.004
Midwest	0.058	0.188	0.357	0.243	0.291	0.065	0.076	0.513	0.021	0.021	0.019
South	0.106	0.113	0.044	0.161	0.149	0.042	0.022	0.199	0.012	0.012	0.012
West	0.051	0.082	0.181	0.108	0.182	0.013	0.041	0.207	0.011	0.008	0.021
<u>Questionnaire Response</u>											
Households who garden	0.193	0.246	0.230	0.384	0.398	0.090					
Households who farm	0.308	0.564	0.824	0.623	0.616	0.134	0.485		0.242	0.156	0.146
Households who raise animals							0.478		0.239	0.151	0.214
Households who hunt								0.729			

Source: Based on EPA's analyses of the 1987-88 NFCS



Table 13-72. Confidence in Homegrown Food Consumption Recommendations

Considerations	Rationale	Rating
<b>Study Elements</b>		
• Level of Peer Review	USDA and EPA review	High
• Accessibility	Methods described in detail in Handbook	High
• Reproducibility	see above	High
• Focus on factor of interest	Yes	High
• Data pertinent to U.S.	U.S. population	High
• Primary data	Yes	High
• Currency	1987-88	Medium
• Adequacy of data collection period	Statistical method used to estimate long-term distribution from one-week survey data.	High (Means & Short-term distributions) Low (Long-term distributions)
• Validity of approach	Individual intakes inferred from household consumption.	Medium (Means) Low (Distributions)
• Study size	10,000 individuals, 4500 households	High
• Representativeness of the population	Nationwide survey representative of general U.S. population	High
• Bias in study design (high rating desirable)	Non-response bias can not be ruled out due to low response rate.	Medium
• Measurement Error (high rating desirable)	Individuals' estimates of food weights imprecise	Medium
<b>Other Elements</b>		
• Number of studies	1	Low
• Agreement between researchers	N/A	
<b>Overall Rating</b>		
	Highest confidence in means, lowest confidence in long term percentiles	Medium (Means) Medium (Short-term distributions) Low (Long-term distributions)



**APPENDIX 13A**

**FOOD CODES AND DEFINITIONS USED IN ANALYSIS  
OF THE 1987-88 USDA NFCS DATA**

**Appendix 13A****Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data**

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
<b>MAJOR FOOD GROUPS</b>		
Total Fruits	50- Fresh Fruits citrus other vitamin-C rich other fruits 512- Commercially Canned Fruits 522- Commercially Frozen Fruits 533- Canned Fruit Juice 534- Frozen Fruit Juice 535- Aseptically Packed Fruit Juice 536- Fresh Fruit Juice 542- Dried Fruits (includes baby foods)	6- Fruits citrus fruits and juices dried fruits other fruits fruits/juices & nectar fruit/juices baby food (includes baby foods)
Total Vegetables	48- Potatoes, Sweetpotatoes 49- Fresh Vegetables dark green deep yellow tomatoes light green other 511- Commercially Canned Vegetables 521- Commercially Frozen Vegetables 531- Canned Vegetable Juice 532- Frozen Vegetable Juice 537- Fresh Vegetable Juice 538- Aseptically Packed Vegetable Juice 541- Dried Vegetables (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures/dinners)	7- Vegetables (all forms) white potatoes & PR starchy dark green vegetables deep yellow vegetables tomatoes and tom. mixtures other vegetables veg. and mixtures/baby food veg. with meat mixtures (includes baby foods; mixtures, mostly vegetables)
Total Meats	44- Meat beef pork veal lamb mutton goat game lunch meat mixtures 451- Poultry (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	20- Meat, type not specified 21- Beef 22- Pork 23- Lamb, veal, game, carcass meat 24- Poultry 25- Organ meats, sausages, lunchmeats, meat spreads (excludes meat, poultry, and fish with non-meat items; frozen plate meals; soups and gravies with meat, poultry and fish base; and gelatin-based drinks; includes baby foods)
Total Dairy	40- Milk Equivalent fresh fluid milk processed milk cream and cream substitutes frozen desserts with milk cheese dairy-based dips (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners)	1- Milk and Milk Products milk and milk drinks cream and cream substitutes milk desserts, sauces, and gravies cheeses (includes regular fluid milk, human milk, imitation milk products, yogurt, milk-based meal replacements, and infant formulas)



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Total Fish	452- Fish, Shellfish various species fresh, frozen, commercial, dried (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners)	26- Fish, Shellfish various species and forms  (excludes meat, poultry, and fish with non-meat items; frozen plate meals; soups and gravies with meat, poultry and fish base; and gelatin-based drinks)
<b>INDIVIDUAL FOODS</b>		
White Potatoes	4811- White Potatoes, fresh 4821- White Potatoes, commercially canned 4831- White Potatoes, commercially frozen 4841- White Potatoes, dehydrated 4851- White Potatoes, chips, sticks, salad (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners)	71- White Potatoes and PR Starchy Veg. baked, boiled, chips, sticks, creamed, scalloped, au gratin, fried, mashed, stuffed, puffs, salad, recipes, soups, Puerto Rican starchy vegetables (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)
Peppers	4913- Green/Red Peppers, fresh 5111201 Sweet Green Peppers, commercially canned 5111202 Hot Chili Peppers, commercially canned 5211301 Sweet Green Peppers, commercially frozen 5211302 Green Chili Peppers, commercially frozen 5211303 Red Chili Peppers, commercially frozen 5413112 Sweet Green Peppers, dry 5413113 Red Chili Peppers, dry (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners)	7512100 Pepper, hot chili, raw 7512200 Pepper, raw 7512210 Pepper, sweet green, raw 7512220 Pepper, sweet red, raw 7522600 Pepper, green, cooked, NS as to fat added 7522601 Pepper, green, cooked, fat not added 7522602 Pepper, green, cooked, fat added 7522604 Pepper, red, cooked, NS as to fat added 7522605 Pepper, red, cooked, fat not added 7522606 Pepper, red, cooked, fat added 7522609 Pepper, hot, cooked, NS as to fat added 7522610 Pepper, hot, cooked, fat not added 7522611 Pepper, hot, cooked, fat added 7551101 Peppers, hot, sauce 7551102 Peppers, pickled (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)
Onions	4953- Onions, Garlic, fresh onions chives garlic leeks 5114908 Garlic Pulp, raw 5114915 Onions, commercially canned 5213722 Onions, commercially frozen 5213723 Onions with Sauce, commercially frozen 5413103 Chives, dried 5413105 Garlic Flakes, dried 5413110 Onion Flakes, dried (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners)	7510950 Chives, raw 7511150 Garlic, raw 7511250 Leek, raw 7511701 Onions, young green, raw 7511702 Onions, mature 7521550 Chives, dried 7521740 Garlic, cooked 7522100 Onions, mature cooked, NS as to fat added 7522101 Onions, mature cooked, fat not added 7522102 Onions, mature cooked, fat added 7522103 Onions, pearl cooked 7522104 Onions, young green cooked, NS as to fat 7522105 Onions, young green cooked, fat not added 7522106 Onions, young green cooked, fat added 7522110 Onion, dehydrated 7541501 Onions, creamed 7541502 Onion rings (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)



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***Appendix 13A***

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Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Corn	4956- Corn, fresh 5114601 Yellow Corn, commercially canned 5114602 White Corn, commercially canned 5114603 Yellow Creamed Corn, commercially canned 5114604 White Creamed Corn, commercially canned 5114605 Corn on Cob, commercially canned 5114607 Hominy, canned 5115306 Low Sodium Corn, commercially canned 5115307 Low Sodium Cr. Corn, commercially canned 5213501 Yellow Corn on Cob, commercially frozen 5213502 Yellow Corn off Cob, commercially frozen 5213503 Yell. Corn with Sauce, commercially frozen 5213504 Corn with other Veg., commercially frozen 5213505 White Corn on Cob, commercially frozen 5213506 White Corn off Cob, commercially frozen 5213507 Wh. Corn with Sauce, commercially frozen 5413104 Corn, dried 5413106 Hominy, dry 5413603 Corn, instant baby food (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby food)	7510960 Corn, raw 7521600 Corn, cooked, NS as to color/fat added 7521601 Corn, cooked, NS as to color/fat not added 7521602 Corn, cooked, NS as to color/fat added 7521605 Corn, cooked, NS as to color/cream style 7521607 Corn, cooked, dried 7521610 Corn, cooked, yellow/NS as to fat added 7521611 Corn, cooked, yellow/fat not added 7521612 Corn, cooked, yellow/fat added 7521615 Corn, yellow, cream style 7521616 Corn, cooked, yell. & wh./NS as to fat 7521617 Corn, cooked, yell. & wh./fat not added 7521618 Corn, cooked, yell. & wh./fat added 7521619 Corn, yellow, cream style, fat added 7521620 Corn, cooked, white/NS as to fat added 7521621 Corn, cooked, white/fat not added 7521622 Corn, cooked, white/fat added 7521625 Corn, white, cream style 7521630 Corn, yellow, canned, low sodium, NS fat 7521631 Corn, yell., canned, low sod., fat not add 7521632 Corn, yell., canned, low sod., fat added 7521749 Hominy, cooked 752175- Hominy, cooked 7541101 Corn scalloped or pudding 7541102 Corn fritter 7541103 Corn with cream sauce 7550101 Corn relish 76405- Corn, baby (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures; includes baby food)



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Apples	5031- Apples, fresh 5122101 Applesauce with sugar, commercially canned 5122102 Applesauce without sugar, comm. canned 5122103 Apple Pie Filling, commercially canned 5122104 Apples, Applesauce, baby/jr., comm. canned 5122106 Apple Pie Filling, Low Cal., comm. canned 5223101 Apple Slices, commercially frozen 532101 Apple Juice, canned 532102 Apple Juice, baby, Comm. canned 5342201 Apple Juice, comm. frozen 5342202 Apple Juice, home frozen 5352101 Apple Juice, aseptically packed 5362101 Apple Juice, fresh 5423101 Apples, dried (includes baby food; except mixtures)	6210110 Apples, dried, uncooked 6210115 Apples, dried, uncooked, low sodium 6210120 Apples, dried, cooked, NS as to sweetener 6210122 Apples, dried, cooked, unsweetened 6210123 Apples, dried, cooked, with sugar 6310100 Apples, raw 6310111 Applesauce, NS as to sweetener 6310112 Applesauce, unsweetened 6310113 Applesauce with sugar 6310114 Applesauce with low calorie sweetener 6310121 Apples, cooked or canned with syrup 6310131 Apple, baked NS as to sweetener 6310132 Apple, baked, unsweetened 6310133 Apple, baked with sugar 6310141 Apple rings, fried 6310142 Apple, pickled 6310150 Apple, fried 6340101 Apple, salad 6340106 Apple, candied 6410101 Apple cider 6410401 Apple juice 6410405 Apple juice with vitamin C 6710200 Applesauce baby fd., NS as to str. or jr. 6710201 Applesauce baby food, strained 6710202 Applesauce baby food, junior 6720200 Apple juice, baby food (includes baby food; except mixtures)
Tomatoes	4931- Tomatoes, fresh 5113- Tomatoes, commercially canned 5115201 Tomatoes, low sodium, commercially canned 5115202 Tomato Sauce, low sodium, comm. canned 5115203 Tomato Paste, low sodium, comm. canned 5115204 Tomato Puree, low sodium, comm. canned 5311- Canned Tomato Juice and Tomato Mixtures 5321- Frozen Tomato Juice 5371- Fresh Tomato Juice 5381102 Tomato Juice, aseptically packed 5413115 Tomatoes, dry 5614- Tomato Soup 5624- Condensed Tomato Soup 5654- Dry Tomato Soup (does not include mixtures, and ready-to-eat dinners)	74- Tomatoes and Tomato Mixtures raw, cooked, juices, sauces, mixtures, soups, sandwiches

**Appendix 13A**

Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Snap Beans	4943- Snap or Wax Beans, fresh 5114401 Green or Snap Beans, commercially canned 5114402 Wax or Yellow Beans, commercially canned 5114403 Beans, baby/jr., commercially canned 5115302 Green Beans, low sodium, comm. canned 5115303 Yell. or Wax Beans, low sod., comm. canned 5213301 Snap or Green Beans, comm. frozen 5213302 Snap or Green w/sauce, comm. frozen 5213303 Snap or Green Beans w/other veg., comm. fr. 5213304 Sp. or Gr. Beans w/other veg./sc., comm. fr. 5213305 Wax or Yell. Beans, comm. frozen (does not include soups, mixtures, and ready-to-eat dinners; includes baby foods)	7510180 Beans, string, green, raw 7520498 Beans, string, cooked, NS color/fat added 7520499 Beans, string, cooked, NS color/no fat 7520500 Beans, string, cooked, NS color & fat 7520501 Beans, string, cooked, green/NS fat 7520502 Beans, string, cooked, green/no fat 7520503 Beans, string, cooked, green/fat 7520511 Beans, str., canned, low sod.,green/NS fat 7520512 Beans, str., canned, low sod.,green/no fat 7520513 Beans, str., canned, low sod.,green/fat 7520600 Beans, string, cooked, yellow/NS fat 7520601 Beans, string, cooked, yellow/no fat 7520602 Beans, string, cooked, yellow/fat 7540301 Beans, string, green, creamed 7540302 Beans, string, green, w/mushroom sauce 7540401 Beans, string, yellow, creamed 7550011 Beans, string, green, pickled 7640100 Beans, green, string, baby 7640101 Beans, green, string, baby, str. 7640102 Beans, green, string, baby, junior 7640103 Beans, green, string, baby, creamed (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures; includes baby foods)
Beef	441- Beef (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	21- Beef beef, nfs beef steak beef oxtails, neckbones, ribs roasts, stew meat, corned, brisket, sandwich steaks ground beef, patties, meatballs other beef items beef baby food (excludes meat, poultry, and fish with non-meat items; frozen plate meals; soups and gravies with meat, poultry and fish base; and gelatin-based drinks; includes baby food)
Pork	442- Pork (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	22- Pork pork, nfs; ground dehydrated chops steaks, cutlets ham roasts Canadian bacon bacon, salt pork other pork items pork baby food (excludes meat, poultry, and fish with non-meat items; frozen plate meals; soups and gravies with meat, poultry and fish base; and gelatin-based drinks; includes baby food)
Game	445- Variety Meat, Game (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	233- Game (excludes meat, poultry, and fish with non-meat items; frozen plate meals; soups and gravies with meat, poultry and fish base; and gelatin-based drinks)



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Poultry	451- Poultry (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	24- Poultry chicken turkey duck other poultry poultry baby food (excludes meat, poultry, and fish with non-meat items; frozen plate meals; soups and gravies with meat, poultry and fish base; and gelatin-based drinks; includes baby food)
Eggs	46- Eggs (fresh equivalent) fresh processed eggs, substitutes (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	3- Eggs eggs egg mixtures egg substitutes eggs baby food froz. meals with egg as main ingred. (includes baby foods)
Broccoli	4912- Fresh Broccoli (and home canned/froz.) 511203 Broccoli, comm. canned 52112- Comm. Frozen Broccoli (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	722- Broccoli (all forms) (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)
Carrots	4921- Fresh Carrots (and home canned/froz.) 51121- Comm. Canned Carrots 5115101 Carrots, Low Sodium, Comm. Canned 52121- Comm. Frozen Carrots 5312103 Comm. Canned Carrot Juice 5372102 Carrot Juice Fresh 5413502 Carrots, Dried Baby Food (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	7310- Carrots (all forms) 7311140 Carrots in Sauce 7311200 Carrot Chips 76201- Carrots, baby (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures; includes baby foods except mixtures)
Pumpkin	4922- Fresh Pumpkin, Winter Squash (and home canned/froz.) 51122- Pumpkin/Squash, Baby or Junior, Comm. Canned 52122- Winter Squash, Comm. Frozen 5413504 Squash, Dried Baby Food (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	732- Pumpkin (all forms) 733- Winter squash (all forms) 76205- Squash, baby (does not include vegetable soups; vegetables mixtures; or vegetable with meat mixtures; includes baby foods)
Asparagus	4941- Fresh Asparagus (and home canned/froz.) 5114101 Comm. Canned Asparagus 5115301 Asparagus, Low Sodium, Comm. Canned 52131- Comm. Frozen Asparagus (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	7510080 Asparagus, raw 75202- Asparagus, cooked 7540101 Asparagus, creamed or with cheese (does not include vegetable soups; vegetables mixtures, or vegetable with meat mixtures)

**Appendix 13A**

Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Lima Beans	4942- Fresh Lima and Fava Beans (and home canned/froz.) 5114204 Comm. Canned Mature Lima Beans 5114301 Comm. Canned Green Lima Beans 5115304 Comm. Canned Low Sodium Lima Beans 52132- Comm. Frozen Lima Beans 54111- Dried Lima Beans 5411306 Dried Fava Beans (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures; does not include succotash)	7510200 Lima Beans, raw 752040- Lima Beans, cooked 752041- Lima Beans, canned 75402- Lima Beans with sauce (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures; does not include succotash)
Cabbage	4944- Fresh Cabbage (and home canned/froz.) 4958601 Sauerkraut, home canned or pkgd 5114801 Sauerkraut, comm. canned 5114904 Comm. Canned Cabbage 5114905 Comm. Canned Cabbage (no sauce; incl. baby) 5115501 Sauerkraut, low sodium., comm. canned 5312102 Sauerkraut Juice, comm. canned (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	7510300 Cabbage, raw 7510400 Cabbage, Chinese, raw 7510500 Cabbage, red, raw 7514100 Cabbage salad or coleslaw 7514130 Cabbage, Chinese, salad 75210- Chinese Cabbage, cooked 75211- Green Cabbage, cooked 75212- Red Cabbage, cooked 752130- Savoy Cabbage, cooked 75230- Sauerkraut, cooked 7540701 Cabbage, creamed 755025- Cabbage, pickled or in relish (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)
Lettuce	4945- Fresh Lettuce, French Endive (and home canned/froz.) (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	75113- Lettuce, raw 75143- Lettuce salad with other veg. 7514410 Lettuce, wilted, with bacon dressing 7522005 Lettuce, cooked (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)
Okra	4946- Fresh Okra (and home canned/froz.) 5114914 Comm. Canned Okra 5213720 Comm. Frozen Okra 5213721 Comm. Frozen Okra with Oth. Veg. & Sauce (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	7522000 Okra, cooked, NS as to fat 7522001 Okra, cooked, fat not added 7522002 Okra, cooked, fat added 7522010 Lufta, cooked (Chinese Okra) 7541450 Okra, fried 7550700 Okra, pickled (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)
Peas	4947- Fresh Peas (and home canned/froz.) 51147- Comm Canned Peas (incl. baby) 5115310 Low Sodium Green or English Peas (canned) 5115314 Low Sod. Blackeye, Gr. or Imm. Peas (canned) 5114205 Blackeyed Peas, comm. canned 52134- Comm. Frozen Peas 5412- Dried Peas and Lentils (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	7512000 Peas, green, raw 7512775 Snowpeas, raw 75223- Peas, cowpeas, field or blackeye, cooked 75224- Peas, green, cooked 75225- Peas, pigeon, cooked 75231- Snowpeas, cooked 7541650 Pea salad 7541660 Pea salad with cheese 75417- Peas, with sauce or creamed 76409- Peas, baby 76411- Peas, creamed, baby (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures; includes baby foods except mixtures)



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Cucumbers	4952- Fresh Cucumbers (and home canned/froz.) (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	7511100 Cucumbers, raw 75142- Cucumber salads 752167- Cucumbers, cooked 7550301 Cucumber pickles, dill 7550302 Cucumber pickles, relish 7550303 Cucumber pickles, sour 7550304 Cucumber pickles, sweet 7550305 Cucumber pickles, fresh 7550307 Cucumber, Kim Chee 7550311 Cucumber pickles, dill, reduced salt 7550314 Cucumber pickles, sweet, reduced salt (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)
Beets	4954- Fresh Beets (and home canned/froz.) 51145- Comm. Canned Beets (incl. baby) 5115305 Low Sodium Beets (canned) 5213714 Comm. Frozen Beets 5312104 Beet Juice (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	7510250 Beets, raw 752080- Beets, cooked 752081- Beets, canned 7540501 Beets, harvard 7550021 Beets, pickled 76403- Beets, baby (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures; includes baby foods except mixtures)
Strawberries	5022- Fresh Strawberries 5122801 Comm. Canned Strawberries with sugar 5122802 Comm. Canned Strawberries without sugar 5122803 Canned Strawberry Pie Filling 5222- Comm. Frozen Strawberries (does not include ready-to-eat dinners; includes baby foods except mixtures)	6322- Strawberries 6413250 Strawberry Juice (includes baby food; except mixtures)
Other Berries	5033- Fresh Berries Other than Strawberries 5122804 Comm. Canned Blackberries with sugar 5122805 Comm. Canned Blackberries without sugar 5122806 Comm. Canned Blueberries with sugar 5122807 Comm. Canned Blueberries without sugar 5122808 Canned Blueberry Pie Filling 5122809 Comm. Canned Gooseberries with sugar 5122810 Comm. Canned Gooseberries without sugar 5122811 Comm. Canned Raspberries with sugar 5122812 Comm. Canned Raspberries without sugar 5122813 Comm. Canned Cranberry Sauce 5122815 Comm. Canned Cranberry-Orange Relish 52233- Comm. Frozen Berries (not strawberries) 5332404 Blackberry Juice (home and comm. canned) 5423114 Dried Berries (not strawberries) (does not include ready-to-eat dinners; includes baby foods except mixtures)	6320- Other Berries 6321- Other Berries 6341101 Cranberry salad 6410460 Blackberry Juice 64105- Cranberry Juice (includes baby food; except mixtures)

**Appendix 13A**

Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Peaches	5036- Fresh Peaches 51224- Comm. Canned Peaches (incl. baby) 5223601 Comm. Frozen Peaches 5332405 Home Canned Peach Juice 5423105 Dried Peaches (baby) 5423106 Dried Peaches (does not include ready-to-eat dinners; includes baby foods except mixtures)	62116- Dried Peaches 63135- Peaches 6412203 Peach Juice 6420501 Peach Nectar 67108- Peaches,baby 6711450 Peaches, dry, baby (includes baby food; except mixtures)
Pears	5037- Fresh Pears 51225- Comm. Canned Pears (incl. baby) 5332403 Comm. Canned Pear Juice, baby 5362204 Fresh Pear Juice 5423107 Dried Pears (does not include ready-to-eat dinners; includes baby foods except mixtures)	62119- Dried Pears 63137- Pears 6341201 Pear salad 6421501 Pear Nectar 67109- Pears, baby 6711455 Pears, dry, baby (includes baby food; except mixtures)
<b>EXPOSED/PROTECTED FRUITS/VEGETABLES, ROOT VEGETABLES</b>		
Exposed Fruits	5022- Strawberries, fresh 5023101 Acerola, fresh 5023401 Currants, fresh 5031- Apples/Applesauce, fresh 5033- Berries other than Strawberries, fresh 5034- Cherries, fresh 5036- Peaches, fresh 5037- Pears, fresh 50381- Apricots, Nectarines, Loquats, fresh 5038305 Dates, fresh 50384- Grapes, fresh 50386- Plums, fresh 50387- Rhubarb, fresh 5038805 Persimmons, fresh 5038901 Sapote, fresh 51221- Apples/Applesauce, canned 51222- Apricots, canned 51223- Cherries, canned 51224- Peaches, canned 51225- Pears, canned 51228- Berries, canned 5122903 Grapes with sugar, canned 5122904 Grapes without sugar, canned 5122905 Plums with sugar, canned 5122906 Plums without sugar, canned 5122907 Plums, canned, baby 5122911 Prunes, canned, baby 5122912 Prunes, with sugar, canned 5122913 Prunes, without sugar, canned 5122914 Raisin Pie Filling 5222- Frozen Strawberries 52231- Apples Slices, frozen 52233- Berries, frozen 52234- Cherries, frozen 52236- Peaches, frozen 52239- Rhubarb, frozen 53321- Canned Apple Juice 53322- Canned Grape Juice	62101- Apple, dried 62104- Apricot, dried 62108- Currants, dried 62110- Date, dried 62116- Peaches, dried 62119- Pears, dried 62121- Plum, dried 62122- Prune, dried 62125- Raisins 63101- Apples/applesauce 63102- Wi-apple 63103- Apricots 63111- Cherries, maraschino 63112- Acerola 63113- Cherries, sour 63115- Cherries, sweet 63117- Currants, raw 63123- Grapes 6312601 Juneberry 63131- Nectarine 63135- Peach 63137- Pear 63139- Persimmons 63143- Plum 63146- Quince 63147- Rhubarb/Sapodillo 632- Berries 64101- Apple Cider 64104- Apple Juice 64105- Cranberry Juice 64116- Grape Juice 64122- Peach Juice 64132- Prune/Strawberry Juice 6420101 Apricot Nectar 64205- Peach Nectar 64215- Pear Nectar 67102- Applesauce, baby 67108- Peaches, baby



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Exposed Fruits (continued)	5332402 Canned Prune Juice 5332403 Canned Pear Juice 5332404 Canned Blackberry Juice 5332405 Canned Peach Juice 53421- Frozen Grape Juice 5342201 Frozen Apple Juice, comm. fr. 5342202 Frozen Apple Juice, home fr. 5352101 Apple Juice, asep. packed 5352201 Grape Juice, asep. packed 5362101 Apple Juice, fresh 5362202 Apricot Juice, fresh 5362203 Grape Juice, fresh 5362204 Pear Juice, fresh 5362205 Prune Juice, fresh 5421- Dried Prunes 5422- Raisins, Currants, dried 5423101 Dry Apples 5423102 Dry Apricots 5423103 Dates without pits 5423104 Dates with pits 5423105 Peaches, dry, baby 5423106 Peaches, dry 5423107 Pears, dry 5423114 Berries, dry 5423115 Cherries, dry (includes baby foods)	67109- Pears, baby 6711450 Peaches, baby, dry 6711455 Pears, baby, dry 67202- Apple Juice, baby 6720380 White Grape Juice, baby 67212- Pear Juice, baby (includes baby foods/juices except mixtures; excludes fruit mixtures)
Protected Fruits	501- Citrus Fruits, fresh 5021- Cantaloupe, fresh 5023201 Mangoes, fresh 5023301 Guava, fresh 5023601 Kiwi, fresh 5023701 Papayas, fresh 5023801 Passion Fruit, fresh 5032- Bananas, Plantains, fresh 5035- Melons other than Cantaloupe, fresh 50382- Avocados, fresh 5038301 Figs, fresh 5038302 Figs, cooked 5038303 Figs, home canned 5038304 Figs, home frozen 50385- Pineapple, fresh 5038801 Pomegranates, fresh 5038902 Cherimoya, fresh 5038903 Jackfruit, fresh 5038904 Breadfruit, fresh 5038905 Tamarind, fresh 5038906 Carambola, fresh 5038907 Longan, fresh 5121- Citrus, canned 51226- Pineapple, canned 5122901 Figs with sugar, canned 5122902 Figs without sugar, canned 5122909 Bananas, canned, baby 5122910 Bananas and Pineapple, canned, baby 5122915 Litchis, canned	61- Citrus Fr., Juices (incl. cit. juice mixtures) 62107- Bananas, dried 62113- Figs, dried 62114- Lychees/Papayas, dried 62120- Pineapple, dried 62126- Tamarind, dried 63105- Avocado, raw 63107- Bananas 63109- Cantaloupe, Carambola 63110- Cassaba Melon 63119- Figs 63121- Genip 63125- Guava/Jackfruit, raw 6312650 Kiwi 6312651 Lychee, raw 6312660 Lychee, cooked 63127- Honeydew 63129- Mango 63133- Papaya 63134- Passion Fruit 63141- Pineapple 63145- Pomegranate 63148- Sweetsop, Soursop, Tamarind 63149- Watermelon 64120- Papaya Juice 64121- Passion Fruit Juice 64124- Pineapple Juice 64133- Watermelon Juice 6420150 Banana Nectar



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***Appendix 13A***

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Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Protected Fruits (continued)	5122916 Mangos with sugar, canned 5122917 Mangos without sugar, canned 5122918 Mangos, canned, baby 5122920 Guava with sugar, canned 5122921 Guava without sugar, canned 5122923 Papaya with sugar, canned 5122924 Papaya without sugar, canned 52232- Bananas, frozen 52235- Melon, frozen 52237- Pineapple, frozen 5331- Canned Citrus Juices 53323- Canned Pineapple Juice 5332408 Canned Papaya Juice 5332410 Canned Mango Juice 5332501 Canned Papaya Concentrate 5341- Frozen Citrus Juice 5342203 Frozen Pineapple Juice 5351- Citrus and Citrus Blend Juices, asep. packed 5352302 Pineapple Juice, asep. packed 5362206 Papaya Juice, fresh 5362207 Pineapple-Coconut Juice, fresh 5362208 Mango Juice, fresh 5362209 Pineapple Juice, fresh 5423108 Pineapple, dry 5423109 Papaya, dry 5423110 Bananas, dry 5423111 Mangos, dry 5423117 Litchis, dry 5423118 Tamarind, dry 5423119 Plantain, dry (includes baby foods)	64202- Cantaloupe Nectar 64203- Guava Nectar 64204- Mango Nectar 64210- Papaya Nectar 64213- Passion Fruit Nectar 64221- Soursop Nectar 6710503 Bananas, baby 6711500 Bananas, baby, dry 6720500 Orange Juice, baby 6721300 Pineapple Juice, baby (includes baby foods/juices except mixtures; excludes fruit mixtures)



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

Food Product	Household Code/Definition	Individual Code
Exposed Veg.	491- Fresh Dark Green Vegetables 493- Fresh Tomatoes 4941- Fresh Asparagus 4943- Fresh Beans, Snap or Wax 4944- Fresh Cabbage 4945- Fresh Lettuce 4946- Fresh Okra 49481- Fresh Artichokes 49483- Fresh Brussel Sprouts 4951- Fresh Celery 4952- Fresh Cucumbers 4955- Fresh Cauliflower 4958103 Fresh Kohlrabi 4958111 Fresh Jerusalem Artichokes 4958112 Fresh Mushrooms 4958113 Mushrooms, home canned 4958114 Mushrooms, home frozen 4958118 Fresh Eggplant 4958119 Eggplant, cooked 4958120 Eggplant, home frozen 4958200 Fresh Summer Squash 4958201 Summer Squash, cooked 4958202 Summer Squash, home canned 4958203 Summer Squash, home frozen 4958402 Fresh Bean Sprouts 4958403 Fresh Alfalfa Sprouts 4958504 Bamboo Shoots 4958506 Seaweed 4958508 Tree Fern, fresh 4958601 Sauerkraut 5111- Dark Green Vegetables (all are exposed) 5113- Tomatoes 5114101 Asparagus, comm. canned 51144- Beans, green, snap, yellow, comm. canned 5114704 Snow Peas, comm. canned 5114801 Sauerkraut, comm. canned 5114901 Artichokes, comm. canned 5114902 Bamboo Shoots, comm. canned 5114903 Bean Sprouts, comm. canned 5114904 Cabbage, comm. canned 5114905 Cabbage, comm. canned, no sauce 5114906 Cauliflower, comm. canned, no sauce 5114907 Eggplant, comm. canned, no sauce 5114913 Mushrooms, comm. canned 5114914 Okra, comm. canned 5114918 Seaweeds, comm. canned 5114920 Summer Squash, comm. canned	721- Dark Green Leafy Veg. 722- Dark Green Nonleafy Veg. 74- Tomatoes and Tomato Mixtures 7510050 Alfalfa Sprouts 7510075 Artichoke, Jerusalem, raw 7510080 Asparagus, raw 75101- Beans, sprouts and green, raw 7510275 Brussel Sprouts, raw 7510280 Buckwheat Sprouts, raw 7510300 Cabbage, raw 7510400 Cabbage, Chinese, raw 7510500 Cabbage, Red, raw 7510700 Cauliflower, raw 7510900 Celery, raw 7510950 Chives, raw 7511100 Cucumber, raw 7511120 Eggplant, raw 7511200 Kohlrabi, raw 75113- Lettuce, raw 7511500 Mushrooms, raw 7511900 Parsley 7512100 Pepper, hot chili 75122- Peppers, raw 7512750 Seaweed, raw 7512775 Snowpeas, raw 75128- Summer Squash, raw 7513210 Celery Juice 7514100 Cabbage or cole slaw 7514130 Chinese Cabbage Salad 7514150 Celery with cheese 75142- Cucumber salads 75143- Lettuce salads 7514410 Lettuce, wilted with bacon dressing 7514600 Greek salad 7514700 Spinach salad 7520600 Algae, dried 75201- Artichoke, cooked 75202- Asparagus, cooked 75203- Bamboo shoots, cooked 752049- Beans, string, cooked 75205- Beans, green, cooked/canned 75206- Beans, yellow, cooked/canned 75207- Bean Sprouts, cooked 752085- Breadfruit 752090- Brussel Sprouts, cooked 75210- Cabbage, Chinese, cooked 75211- Cabbage, green, cooked



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**Appendix 13A**

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Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

Food Product	Household Code/Definition	Individual Code
Exposed Veg. (cont.)	5114923 Chinese or Celery Cabbage, comm. canned 51152- Tomatoes, canned, low sod. 5115301 Asparagus, canned, low sod. 5115302 Beans, Green, canned, low sod. 5115303 Beans, Yellow, canned, low sod. 5115309 Mushrooms, canned, low sod. 51154- Greens, canned, low sod. 5115501 Sauerkraut, low sodium 5211- Dark Gr. Veg., comm. frozen (all exp.) 52131- Asparagus, comm. froz. 52133- Beans, snap, green, yellow, comm. froz. 5213407 Peapods, comm froz. 5213408 Peapods, with sauce, comm froz. 5213409 Peapods, with other veg., comm froz. 5213701 Brussel Sprouts, comm. froz. 5213702 Brussel Sprouts, comm. froz. with cheese 5213703 Brussel Sprouts, comm. froz. with other veg. 5213705 Cauliflower, comm. froz. 5213706 Cauliflower, comm. froz. with sauce 5213707 Cauliflower, comm. froz. with other veg. 5213708 Caul., comm. froz. with other veg. & sauce 5213709 Summer Squash, comm. froz. 5213710 Summer Squash, comm. froz. with other veg. 5213716 Eggplant, comm. froz. 5213718 Mushrooms with sauce, comm. froz. 5213719 Mushrooms, comm. froz. 5213720 Okra, comm. froz. 5213721 Okra, comm. froz., with sauce 5311- Canned Tomato Juice and Tomato Mixtures 5312102 Canned Sauerkraut Juice 5321- Frozen Tomato Juice 5371- Fresh Tomato Juice 5381102 Aseptically Packed Tomato Juice 5413101 Dry Algae 5413102 Dry Celery 5413103 Dry Chives 5413109 Dry Mushrooms 5413111 Dry Parsley 5413112 Dry Green Peppers 5413113 Dry Red Peppers 5413114 Dry Seaweed 5413115 Dry Tomatoes (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	75212- Cabbage, red, cooked 752130- Cabbage, savoy, cooked 75214- Cauliflower 75215- Celery, Chives, Christophine (chayote) 752167- Cucumber, cooked 752170- Eggplant, cooked 752171- Fern shoots 752172- Fern shoots 752173- Flowers of sesbania, squash or lily 7521801 Kohlrabi, cooked 75219- Mushrooms, cooked 75220- Okra/lettuce, cooked 7522116 Palm Hearts, cooked 7522121 Parsley, cooked 75226- Peppers, pimento, cooked 75230- Sauerkraut, cooked/canned 75231- Snowpeas, cooked 75232- Seaweed 75233- Summer Squash 7540050 Artichokes, stuffed 7540101 Asparagus, creamed or with cheese 75403- Beans, green with sauce 75404- Beans, yellow with sauce 7540601 Brussel Sprouts, creamed 7540701 Cabbage, creamed 75409- Cauliflower, creamed 75410- Celery/Chiles, creamed 75412- Eggplant, fried, with sauce, etc. 75413- Kohlrabi, creamed 75414- Mushrooms, Okra, fried, stuffed, creamed 754180- Squash, baked, fried, creamed, etc. 7541822 Christophine, creamed 7550011 Beans, pickled 7550051 Celery, pickled 7550201 Cauliflower, pickled 755025- Cabbage, pickled 7550301 Cucumber pickles, dill 7550302 Cucumber pickles, relish 7550303 Cucumber pickles, sour 7550304 Cucumber pickles, sweet 7550305 Cucumber pickles, fresh 7550307 Cucumber, Kim Chee 7550308 Eggplant, pickled 7550311 Cucumber pickles, dill, reduced salt 7550314 Cucumber pickles, sweet, reduced salt 7550500 Mushrooms, pickled 7550700 Okra, pickled 75510- Olives 7551101 Peppers, hot 7551102 Peppers, pickled 7551301 Seaweed, pickled 7553500 Zucchini, pickled 76102- Dark Green Veg., baby 76401- Beans, baby (excl. most soups & mixtures)



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Protected Veg.	4922- Fresh Pumpkin, Winter Squash 4942- Fresh Lima Beans 4947- Fresh Peas 49482- Fresh Soy Beans 4956- Fresh Corn 4958303 Succotash, home canned 4958304 Succotash, home frozen 4958401 Fresh Cactus (prickly pear) 4958503 Burdock 4958505 Bitter Melon 4958507 Horseradish Tree Pods 51122- Comm. Canned Pumpkin and Squash (baby) 51142- Beans, comm. canned 51143- Beans, lima and soy, comm. canned 51146- Corn, comm. canned 5114701 Peas, green, comm. canned 5114702 Peas, baby, comm. canned 5114703 Peas, blackeye, comm. canned 5114705 Pigeon Peas, comm. canned 5114919 Succotash, comm. canned 5115304 Lima Beans, canned, low sod. 5115306 Corn, canned, low sod. 5115307 Creamed Corn, canned, low sod. 511531- Peas and Beans, canned, low sod. 52122- Winter Squash, comm. froz. 52132- Lima Beans, comm. froz. 5213401 Peas, gr., comm. froz. 5213402 Peas, gr., with sauce, comm. froz. 5213403 Peas, gr., with other veg., comm. froz. 5213404 Peas, gr., with other veg., comm. froz. 5213405 Peas, blackeye, comm froz. 5213406 Peas, blackeye, with sauce, comm froz. 52135- Corn, comm. froz. 5213712 Artichoke Hearts, comm. froz. 5213713 Baked Beans, comm. froz. 5213717 Kidney Beans, comm. froz. 5213724 Succotash, comm. froz. 5411- Dried Beans 5412- Dried Peas and Lentils 5413104 Dry Corn 5413106 Dry Hominy 5413504 Dry Squash, baby 5413603 Dry Creamed Corn, baby (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	732- Pumpkin 733- Winter Squash 7510200 Lima Beans, raw 7510550 Cactus, raw 7510960 Corn, raw 7512000 Peas, raw 7520070 Aloe vera juice 752040- Lima Beans, cooked 752041- Lima Beans, canned 7520829 Bitter Melon 752083- Bitter Melon, cooked 7520950 Burdock 752131- Cactus 752160- Corn, cooked 752161- Corn, yellow, cooked 752162- Corn, white, cooked 752163- Corn, canned 7521749 Hominy 752175- Hominy 75223- Peas, cowpeas, field or blackeye, cooked 75224- Peas, green, cooked 75225- Peas, pigeon, cooked 75301- Succotash 75402- Lima Beans with sauce 75411- Corn, scalloped, fritter, with cream 7541650 Pea salad 7541660 Pea salad with cheese 75417- Peas, with sauce or creamed 7550101 Corn relish 76205- Squash, yellow, baby 76405- Corn, baby 76409- Peas, baby 76411- Peas, creamed, baby (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)



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**Appendix 13A**

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Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Root Vegetables	48- Potatoes, Sweetpotatoes 4921- Fresh Carrots 4953- Fresh Onions, Garlic 4954- Fresh Beets 4957- Fresh Turnips 4958101 Fresh Celery 4958102 Fresh Horseradish 4958104 Fresh Radishes, no greens 4958105 Radishes, home canned 4958106 Radishes, home frozen 4958107 Fresh Radishes, with greens 4958108 Fresh Salsify 4958109 Fresh Rutabagas 4958110 Rutabagas, home frozen 4958115 Fresh Parsnips 4958116 Parsnips, home canned 4958117 Parsnips, home frozen 4958502 Fresh Lotus Root 4958509 Ginger Root 4958510 Jicama, including yambean 51121- Carrots, comm. canned 51145- Beets, comm. canned 5114908 Garlic Pulp, comm. canned 5114910 Horseradish, comm. prep. 5114915 Onions, comm. canned 5114916 Rutabagas, comm. canned 5114917 Salsify, comm. canned 5114921 Turnips, comm. canned 5114922 Water Chestnuts, comm. canned 51151- Carrots, canned, low sod. 5115305 Beets, canned, low sod. 5115502 Turnips, low sod. 52121- Carrots, comm. froz. 5213714 Beets, comm. froz. 5213722 Onions, comm. froz. 5213723 Onions, comm. froz., with sauce 5213725 Turnips, comm. froz. 5312103 Canned Carrot Juice 5312104 Canned Beet Juice 5372102 Fresh Carrot Juice 5413105 Dry Garlic 5413110 Dry Onion 5413502 Dry Carrots, baby 5413503 Dry Sweet Potatoes, baby (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures)	71- White Potatoes and Puerto Rican St. Veg. 7310- Carrots 7311140 Carrots in sauce 7311200 Carrot chips 734- Sweetpotatoes 7510250 Beets, raw 7511150 Garlic, raw 7511180 Jicama (yambean), raw 7511250 Leeks, raw 75117- Onions, raw 7512500 Radish, raw 7512700 Rutabaga, raw 7512900 Turnip, raw 752080- Beets, cooked 752081- Beets, canned 7521362 Cassava 7521740 Garlic, cooked 7521771 Horseradish 7521850 Lotus root 752210- Onions, cooked 7522110 Onions, dehydrated 752220- Parsnips, cooked 75227- Radishes, cooked 75228- Rutabaga, cooked 75229- Salsify, cooked 75234- Turnip, cooked 75235- Water Chestnut 7540501 Beets, harvard 75415- Onions, creamed, fried 7541601 Parsnips, creamed 7541810 Turnips, creamed 7550021 Beets, pickled 7550309 Horseradish 7551201 Radishes, pickled 7553403 Turnip, pickled 76201- Carrots, baby 76209- Sweetpotatoes, baby 76403- Beets, baby (does not include vegetable soups; vegetable mixtures; or vegetable with meat mixtures)



Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

Food Product	Household Code/Definition	Individual Code
<b>USDA SUBCATEGORIES</b>		
Dark Green Vegetables	491- Fresh Dark Green Vegetables 5111- Comm. Canned Dark Green Veg. 51154- Low Sodium Dark Green Veg. 5211- Comm. Frozen Dark Green Veg. 5413111 Dry Parsley 5413112 Dry Green Peppers 5413113 Dry Red Peppers (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures/dinners; excludes vegetable juices and dried vegetables)	72- Dark Green Vegetables all forms leafy, nonleafy, dk. gr. veg. soups
Deep Yellow Vegetables	492- Fresh Deep Yellow Vegetables 5112- Comm. Canned Deep Yellow Veg. 51151- Low Sodium Carrots 5212- Comm. Frozen Deep Yellow Veg. 5312103 Carrot Juice 54135- Dry Carrots, Squash, Sw. Potatoes (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures/dinners; excludes vegetable juices and dried vegetables)	73- Deep Yellow Vegetables all forms carrots, pumpkin, squash, sweetpotatoes, dp. yell. veg. soups
Other Vegetables	494- Fresh Light Green Vegetables 495- Fresh Other Vegetables 5114- Comm. Canned Other Veg. 51153- Low Sodium Other Veg. 51155- Low Sodium Other Veg. 5213- Comm. Frozen Other Veg. 5312102 Sauerkraut Juice 5312104 Beet Juice 5411- Dried Beans 5412- Dried Peas, Lentils 541310- Dried Other Veg. 5413114 Dry Seaweed 5413603 Dry Cr. Corn, baby (does not include soups, sauces, gravies, mixtures, and ready-to-eat dinners; includes baby foods except mixtures/dinners; excludes vegetable juices and dried vegetables)	75- Other Vegetables all forms
Citrus Fruits	501- Fresh Citrus Fruits 5121- Comm. Canned Citrus Fruits 5331- Canned Citrus and Citrus Blend Juice 5341- Frozen Citrus and Citrus Blend Juice 5351- Aseptically Packed Citrus and Citr. Blend Juice 5361- Fresh Citrus and Citrus Blend Juice (includes baby foods; excludes dried fruits)	61- Citrus Fruits and Juices 6720500 Orange Juice, baby food 6720600 Orange-Apricot Juice, baby food 6720700 Orange-Pineapple Juice, baby food 6721100 Orange-Apple-Banana Juice, baby food (excludes dried fruits)



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***Appendix 13A***

Appendix 13A. Food Codes and Definitions Used in Analysis of the 1987-88 USDA NFCS Data (continued)

<b>Food Product</b>	<b>Household Code/Definition</b>	<b>Individual Code</b>
Other Fruits	502- Fresh Other Vitamin C-Rich Fruits 503- Fresh Other Fruits 5122- Comm. Canned Fruits Other than Citrus 5222- Frozen Strawberries 5223- Frozen Other than Citr. or Vitamin C-Rich Fr. 5332- Canned Fruit Juice Other than Citrus 5342- Frozen Juices Other than Citrus 5352- Aseptically Packed Fruit Juice Other than Citr. 5362- Fresh Fruit Juice Other than Citrus 542- Dry Fruits (includes baby foods; excludes dried fruits)	62- Dried Fruits 63- Other Fruits 64- Fruit Juices and Nectars Excluding Citrus 671- Fruits, baby 67202- Apple Juice, baby 67203- Baby Juices 67204- Baby Juices 67212- Baby Juices 67213- Baby Juices 673- Baby Fruits 674- Baby Fruits